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J.F. NOLL

16 MULBERRY ST.  
NEWARK, N.J.

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ING OF THE  
EARLY BEAN

NOLL'S PROLIFIC  
WHITE SPINE  
CUCUMBER

MARYLAND  
MUSKMELON

20TH CENTURY LETTUCE

# A list of Vegetable Seeds that can be sown in each month from February to September

## FEBRUARY

Sow in hotbed: Early Beans, Early Cabbage, Forcing Carrot, Early Celery, Cucurber, Egg-Plant, Early Lettuce, Parsley, Pepper, Radish, Tomato.

## MARCH

Sow in hotbed: Early Beans, Early Beets, Brussels Sprouts, Early Cabbage, Forcing Carrot, Cauliflower, Celery, Cucumber, Egg-Plant, Kohl-Rabi, Lettuce, Melon, Parsley, Peas, Pepper, Radish, Tomato.

Sow in open ground: Beets, Carrot, Cress, Leek, Onion, Peas, Potatoes, Radish, Spinach, Early Turnip, Sweet Peas.

## APRIL

Sow in hotbed: Cucumber, Egg-Plant, Melon, Pepper, Tomato.

Sow in open ground: Asparagus, Beans, Beets, Brussels Sprouts, Early Cabbage, Carrot, Cauliflower, Celery, Cress, Endive, Kale, Kohl-Rabi, Leek, Lettuce, Onion, Parsley, Parsnip, Peas, Potatoes, Radish, Spinach, Early Turnip, Sweet Peas.

## MAY

Artichoke, Asparagus, Beans, Beets, Brussels Sprouts, Late Cabbage, Carrot, Cauliflower, Celery, Sweet Corn, Cress, Cucumber, Endive,

Kale, Kohl-Rabi, Leek, Lettuce, Melon, Onion, Parsley, Parsnip, Peas, Potatoes, Radish, Rhubarb, Salsify, Spinach, Tomato, Early Turnip, all Herbs.

## JUNE

Beans, all kinds; Beets, Brussels Sprouts, Early Cabbage, Carrot, Cauliflower, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohl-Rabi, Lettuce, Melon, Nasturtium, Okra, Early Peas, Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Herbs.

## JULY

Beans, Beets, Carrot, Sweet Corn, Corn Salad, Cress, Cucumber, Endive, Gherkin, Kale, Kohl-Rabi, Lettuce, Nasturtium, Okra, Early Peas, Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Herbs.

## AUGUST

Beans, Bush; Corn Salad, Cucumber, Endive, Lettuce, Early Peas, Radish, Spinach, Turnip.

## SEPTEMBER

Cabbage for coldframes, Cauliflower for coldframes, Corn Salad, Cress, Siberian Kale, Lettuce, Mustard, Winter Radish, Spinach, Turnip, Sweet Peas.

### OUR TERMS ARE ALWAYS CASH WITH ORDER OR SATISFACTORY NEW YORK OR PHILADELPHIA REFERENCES

**How to Remit.** You can send your remittance at our risk by Post Office or Express Money Order, New York or Chicago Draft, or by registered letter. We cannot hold ourselves responsible for cash sent loose in letters.

**Be sure to sign your name** and give your full address on every order you send us. We frequently receive orders without name or address. If you do not hear from your order in a reasonable time write us fully, giving date of mailing, how you remitted and copy of order sent. We will try to trace it.

**We deliver free**, at our option, to any post-office or express office in the United States all packets, ounces,  $\frac{1}{4}$  pounds and pounds of Vegetable or Flower Seeds, at prices quoted in this catalogue. Prices quoted on Bulbs, Roots, Plants, Farm Seeds, Grass Seeds, Implements, Fertilizers and the like are Net, F. O. B. Newark, N. J., unless quoted otherwise.

**Give full directions** on all orders to be shipped by freight or express. Give your post-office, also your freight or express office, county and State and advise us whether you wish goods shipped by freight or express.

**Please order as early** as you conveniently can. We aim to fill all orders promptly. Should there be any cause for delay we will write you stating when we expect to forward.

**Guarantee.** We give no warranty, expressed or implied, as to description, purity or productiveness or any other matter of any seeds, plants or bulbs we send out, and will not be in any way responsible for the crop. If purchaser does not accept the goods on these terms they are to be returned at once. There are many reasons why seeds do not always turn out as desired, such as sowing too deep or too shallow, in too wet weather, cold weather or too dry soil, or too wet soil, insects which not only destroy the seeds but often the young plants about the time they appear at the surface of the ground. For these causes we cannot guarantee seeds or the crop.

**J. F. NOLL & CO., INC., Newark, N. J.**

January 1st, 1913.





# SELECT VEGETABLE SEEDS

## ARTICHOKE

**Large Green Globe.** Produces heads like flowers, which are cooked like Asparagus. Highly esteemed. Pkt. 10c., oz. 35c.

## ASPARAGUS

**Culture.**—To grow roots from seed, soak seed in warm water and plant in April or May in drills 1 foot apart and about 2 inches deep. One-year-old roots can be transplanted in beds where they can remain for many years. One ounce of seed will sow 75 feet of drill.

**Early French Giant.** One of the finest varieties to grow. Large, succulent and tender. Pkt. 10c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.50. Two-year-old roots: Per 100 \$2.00, by mail postpaid; by express, not prepaid, per 100, \$1.50, per 1000 \$10.00.

**Barr's Philadelphia Mammoth.** A good market sort. Large and tender.

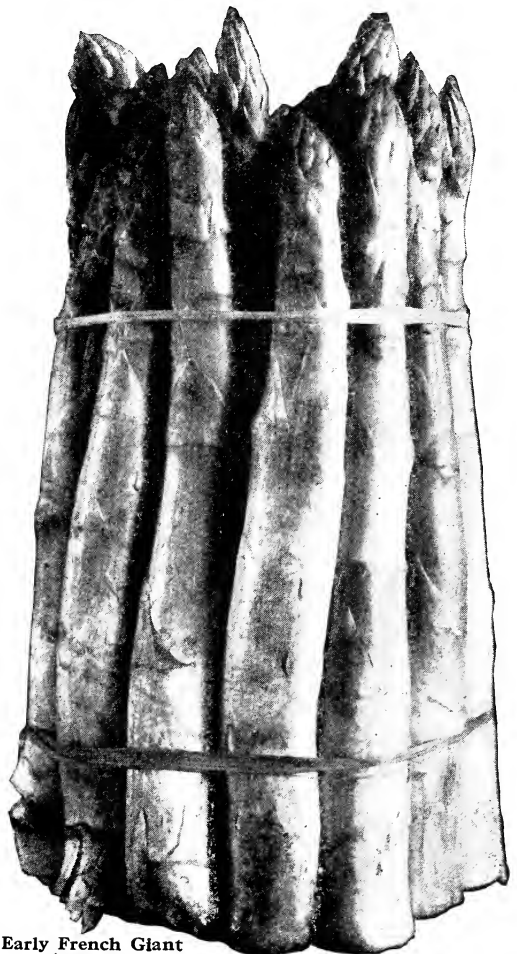
**Palmetto.** One of the most popular sorts grown. Very desirable.

**Conover's Colossal.** An old but standard sort.

**Columbian Mammoth White.** The best of the white sorts.

Price of any of the above 4 varieties: Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c. Two-year-old roots of any of the above 4 varieties: \$1.50 per 100, by mail postpaid; by express, not prepaid, \$1.00 per 100, \$6.00 per 1000.

**Asparagus Roots.** Best results are obtained by planting two-year-old roots. Set them out in April or May, or in the South in the Fall, about October, in soil well drained and very rich. Dig trenches about 15 inches wide and about 18 inches deep, set the roots from 15 to 18 inches apart and keep the rows 4 to 5 feet apart. Be careful to spread the roots carefully and put about 3 or 4 inches of manure in bottom trench; cover this with 2 or 3 inches of soil, then place roots on top of this, and cover them with 3 or 4 inches of soil.



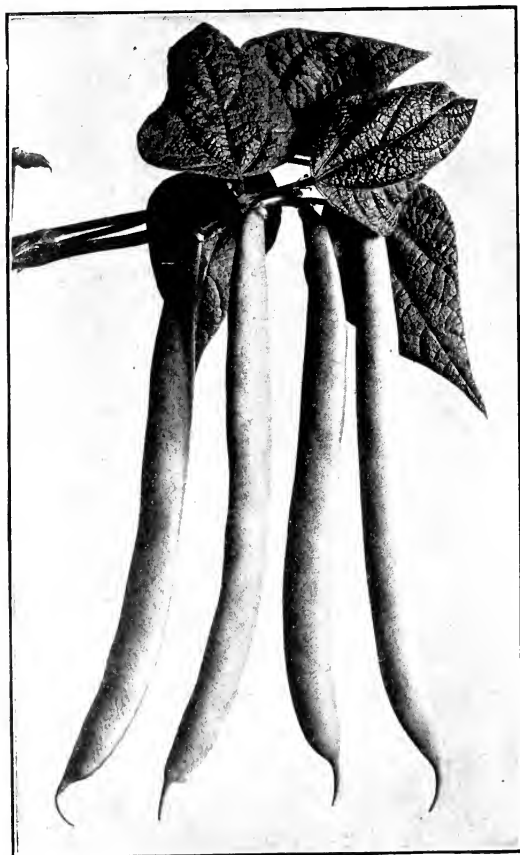
**Early French Giant  
Asparagus**

# BEANS

## DWARF OR BUSH GREEN PODDED

**Culture.**—Plant early in the Spring as soon as ground is dry and warm and continue planting every 10 days or 2 weeks for a continuous crop until about 6 weeks to 2 months before frost is usually expected. Beans do best in good, rich soil; ground should be in good condition. Plant in rows 2 to 3 feet apart, leaving plants 2 to 4 inches apart in the rows. Cover Beans about 2 inches deep. One quart will plant 100 feet of row;  $1\frac{1}{2}$  to 2 bushels per acre.

**King of the Earlies** This variety can be planted fully a week earlier than any other green Bean, as the dry Bean will stand considerable cold wet weather, while other varieties at the same time will rot in the ground. The main feature of this Bean is its earliness. The pods are usually ready to pick at least 5 days ahead of Red Valentine, and are a beautiful green color, extra long, almost straight, round, thick, meaty, tender and in flavor unsurpassed. A very valuable feature is that the first picking is a heavy one. The demand for this Bean has been very much in excess of the supply, and as a money-maker we offer nothing in the seed line that has proved so advantageous to our gardeners as this particular item. Adapted for late as well as early planting, owing to the hardness of the vine, which resists unfavorable weather and disease. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00, bus. \$6.50.



King of the Earlies Bean

If Beans are ordered by mail or express prepaid, add 10c. per pint, 15c. per quart, for charges

**Longfellow, or French Lead Pencil.** A round-podded green Bean of great merit; is entirely stringless and of good flavor. Vines are very prolific. A good Bean for early use. Showy and attractive pods, often 6 inches long. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50, bus. \$5.75.

**Refugee, or 1000 to 1.** The popular canning and shipping sort. This Bean is one of the most prolific of all the green-podded sorts. Vines are strong and vigorous and very hardy. Pods are long, round and of fine appearance. This old standby is grown very largely for canning and for shipment. We sell large quantities of this variety in the South. A good sort for late planting. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50, bus. \$5.00.

**Black Valentine.** An old variety that has again sprung into popular favor on account of its earliness, prolificness and good shipping qualities; this Bean is planted very largely by market gardeners and large shippers of green Beans. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00, bus. \$6.00.

**Boston Pea, or Navy.** Grown largely in many sections as a commercial Bean for Winter use. Beans are pure white, small, nearly oval in shape. Vines are very prolific, producing a large bulk of shelled Beans per acre. A good sort for baked Beans. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.50.

**Bountiful.** Very early, free from strings, flat pod; a very handsome and attractive variety. This Bean is becoming more popular every year, both for home and market use. Pkt. 10c., pt. 15c., qt. 30c., pk. \$1.50, bus. \$5.75.

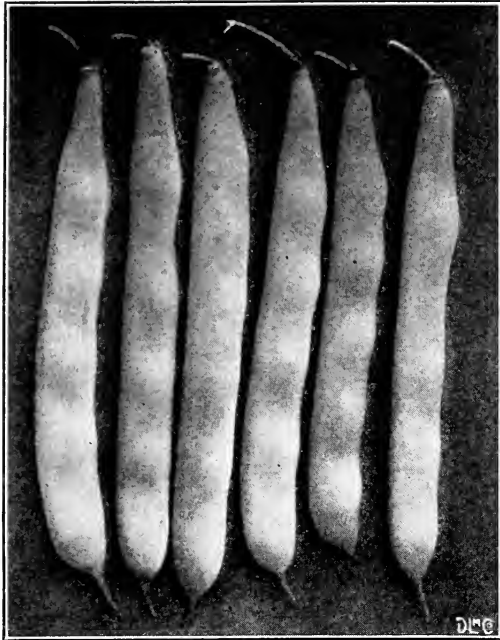
**Burpee's Stringless Green Pod.** One of the most popular green-podded Beans. It is an early sort of the very best quality. Is entirely stringless, as its name implies. Pods are round,  $5\frac{1}{2}$  to 6 inches in length, of a light green color, very tender and vines are abundantly prolific. This Bean is most desirable for either home use or the market garden. We recommend it to all our customers as one of the very best Beans they can plant. Pkt. 10c., pt. 15c., qt. 30c., pk. \$1.75, bus. \$6.00.

**Dwarf Horticultural.** Similar to the Pole Horticultural in looks, size, etc., excepting it grows in bush form. Pkt. 10c., pt. 15c., qt. 30c., pk. \$1.75, bus. \$5.25.

**Extra Early Round-Pod Red Valentine.** This is probably one of the oldest of all the green-podded Beans and is today as largely planted as any Bean on the market, on account of its most excellent eating qualities, its earliness and prolificness. Pkt. 10c., pt. 15c., qt. 30c., pk. \$1.50, bus. \$5.00.

**Extra Early Refugee.** A very early green-podded Bean of good quality. Pods are long, round and attractive. It matures from 2 to 3 weeks earlier than the late Refugee or 1000 to 1. A very desirable variety for market. We have a very choice strain of this popular Bean. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50, bus. \$5.00.

*Will H. Tracy & Co.*



Wardwell's Kidney Wax Bean—See page 4

#### BEANS—Continued

**Giant Stringless Green Pod.** A very prolific and handsome variety. Vines are vigorous. The pods do not mature as early as the Burpee's Stringless Green Pod, but are longer. This is a very good variety for the home garden as well as the market. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.50.

**Large White Marrow.** A popular variety for Winter use as a shelled or dry Bean. Seed pure white. Vines large and spreading. Very heavy yielders. Largely planted as a field Bean. They cook very dry and mealy. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.50.

### DWARF OR BUSH, WAX-PODDED

**California Rust-Proof Wax** Positively the earliest, hardiest and most productive flat-pod wax Bean ever offered. It can be planted fully a week ahead of any other Wax Bean, on account of its extreme hardiness, and will pick 4 to 5 days ahead of any other wax variety planted at the same time. The vines are of a vigorous growth and yield enormous quantities of large, handsome, flat pods. In the vicinity of Norfolk, where thousands of bushels of these Beans are planted annually, it has proven to be the most satisfactory Flat Wax variety. The seed should be planted not closer than 4 inches apart in the row. Market gardeners should not fail to grow this valuable variety. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.00.

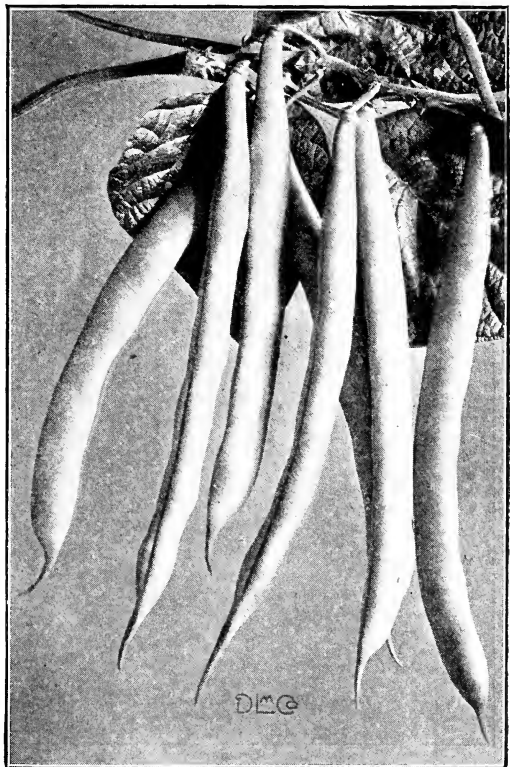
**Currie's Rust-Proof Wax.** This old favorite is as nearly rust-proof as any of the wax-podded sorts. Vines are very vigorous, quite prolific and extremely hardy. Pods are flat; make an elegant appearance in the basket or on the market stall. Very early. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50, bus. \$5.50.

**Davis' Kidney Wax.** Bears a profusion of long, straight, waxy white colored pods. It is also one of the best shippers. Dry Beans are pure white. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.00.

**Golden-Eyed Wax.** Very early, hardy and prolific, with flat, yellow pods, free from rust. A most desirable and popular sort. Quite a favorite with market gardeners. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$5.00.

**Improved Black Wax.** Early and prolific. Pods round, full, stringless and of fine quality. A great improvement on the old Black Wax; the vines are very prolific and the beans are of very good quality, continuing for a long time fit for use. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.00.

**Pencil Pod Wax.** Grows long, yellow, straight pods, nearly round and very fleshy; entirely stringless. Pods grow from 5 to 7 inches in length; plant about 15 to 18 inches in height, with heavy foliage, and produces pods in great abundance. Sure to please. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.00.



Noll's California Rust-Proof Wax Bean

If Beans are ordered by mail or express prepaid, add 10c. per pint, 15c. per quart, for charges



## BEANS—Continued

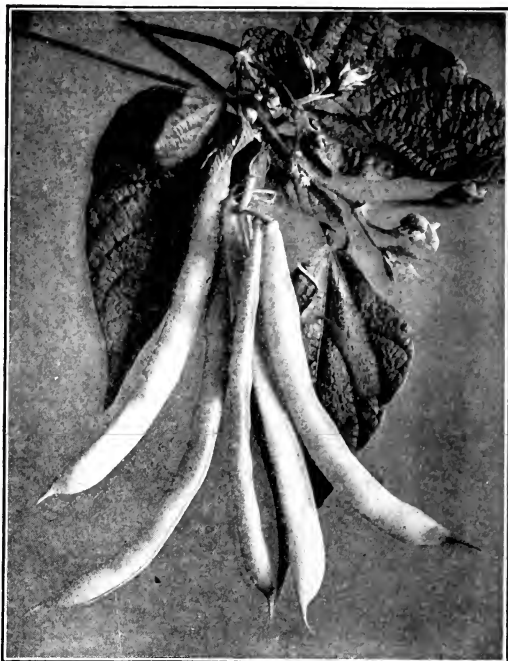
**Improved Golden Wax.** An old standard variety, but still a great favorite; early; pods long, flat, and stringless. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.50.

**Round Pod Kidney Wax.** A very fine round-pod variety, entirely stringless; in habit similar to Wardwell's Wax except pods are round instead of flat. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.50.

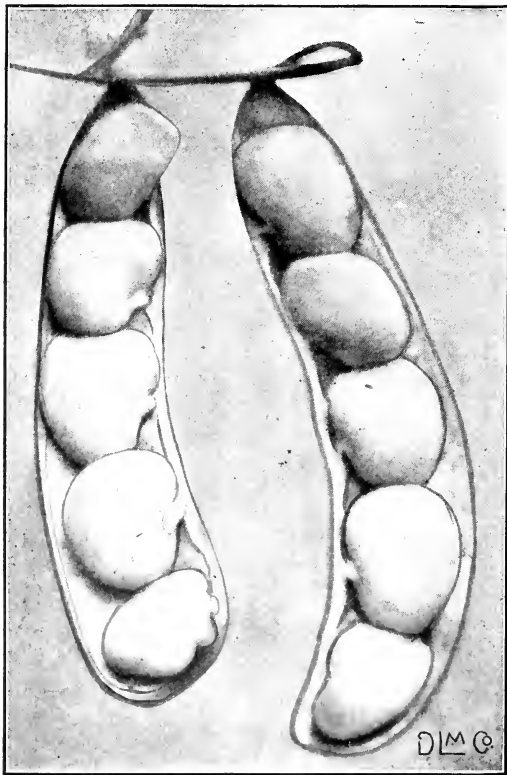
**Wardwell's Kidney Wax.** This is one of the very best of the old standard varieties and has been planted in all sections of the country with entire satisfaction. Yields an abundance of long, yellow, nearly straight pods. Considered by many to be about the best of the Butter Beans. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.00.

**Noll's Golden Queen Wax.** Produces enormous pods. A variety that will be more largely planted as it becomes better known. Good flavor; very desirable for home use. One of the very best shippers we have on our list; pods are tender and stringless if picked when young. It is a most productive and profitable variety for market gardeners. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.00.

**Hodson Long-Pod Wax.** This Bean has sprung into popular favor on account of its enormous productiveness. An excellent shipper. Rather late in maturing, but of remarkable vigor and free from blight or other diseases. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.75, bus. \$6.00.



Noll's Golden Wax Bean



Noll's Ideal Potato Bush Lima Bean

If Beans are ordered by mail or express prepaid, add 10c. per pint, 15c. per quart, for charges.

## BUSH LIMA BEANS

**Culture.**—Plant in drills 2 to 3 feet apart; drop the Beans 3 to 4 inches apart in the rows, cover about 1½ inches deep. They can also be planted in hills; make the hills 3 feet apart one way and 2 feet apart the other. Cultivate often.

**Noll's Ideal Potato Bush Lima** <sup>The very</sup> best of the Bush Limas; a money-maker for the market gardener; unequaled for home use. This is similar to our Ideal Pole Lima, except that it is a dwarf or bush variety and requires no poles. Plants grow 12 to 18 inches in height; of bush form; pods short and thick; very prolific. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25, bus. \$8.00.

**Burpee's Bush Lima.** The largest of all the Bush Limas, as large as many of the pole varieties. Plants grow 20 to 24 inches in height and produce an enormous number of well-filled pods. The eating qualities of this Bean are of the very best. The demand for this Bean is larger each year and supply is often exhausted before the season is over. Pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00, bus. \$7.50.

**Burpee's Improved Bush Lima.** This is claimed by the introducers to be superior to the old standard Burpee's Bush Lima. Growth more vigorous with heavier foliage; matures 16 days earlier. Beans are larger and of better quality. It is the earliest of the large Bush Limas. Vines are very prolific. Pkt. 15c., pt. 30c., qt. 50c., pk. \$3.50, bus. \$12.50.

**Dreer's Bush Lima.** This is the dwarf form of Dreer's, or Challenge Pole Lima; it is very similar in shape to that popular variety. Pods are thick, Beans very meaty and of fine flavor. Pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00, bus. \$7.50.



**BEANS—Continued**

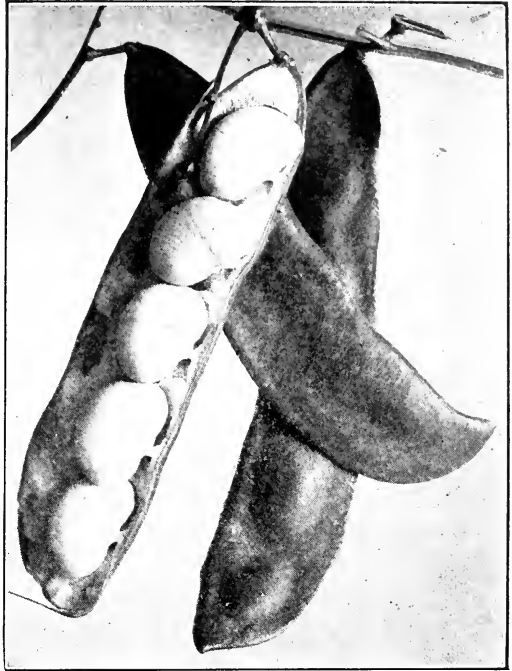
**Fordhook Bush Lima.** A new Bean of exceptional merit. Large meaty Beans. This new Bean is bound to be one of the most popular of all the Bush Limas. The bushes average 25 to 30 inches in height, stand up very erect; pods are very large, averaging 4 beans each, beans thick and meaty. This is the most prolific of all the Bush Limas. We advise all our customers to give this new Bean a trial. Pkt. 15c., pt. 30c., qt. 50c., pk. \$2.75, bus. \$10.00.

**Henderson's Bush Lima.** The earliest of all the Bush Limas; comes in ahead of all the Pole Limas; beans are small, but produced in great profusion. Pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00, bus. \$7.25.

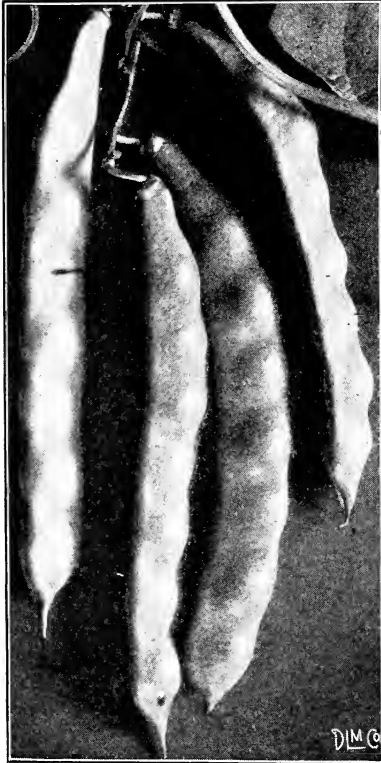
**LIMA BEANS, POLE**

**Culture.**—Plant in settled warm weather. Set poles 3 to 4 feet apart and plant 4 or 5 beans about 2 inches deep around each pole. One quart of Limas for 100 poles and one pint of other varieties for 100 poles; one-half bushel per acre.

**Noll's Ideal Potato Pole Lima** This variety of Lima Beans is the best for the gardener to grow; shells out more quarts of beans to the bushel of pods than any other Lima we know of. The shelled beans of this variety are thick and chunky, very meaty, of most excellent flavor. Pods average about 4 inches in length, beans are crowded in the pods, always well filled. Pkt. 10c., pt. 25c., qt. 40c., pk. \$2.25, bus. \$8.00.



Noll's Ideal Potato Pole Lima Bean



Pole Bean, Kentucky Wonder

**Dreer's Improved Lima.** Called Challenger and Potato Lima. A very productive variety of Limas. Pkt. 10c., pt. 20c., qt. 30c., pk. \$2.25, bus. \$7.50.

**Early Leviathan.** This variety is about one week earlier than most varieties of Pole Lima Beans. Pods are borne in clusters, with 5 to 7 beans in a pod. A very good variety for the home garden. Pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00, bus. \$7.50.

**Ford's Mammoth Podded Lima.** The largest podded of all the Limas. Very productive; an excellent sort either green or dry. Pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00, bus. \$7.50.

**King of the Garden Lima.** Vigorous and productive. Produces an abundance of pods, 5 to 6 inches long, well filled with beans of very large size, quality first-class. This Bean is planted by many private and market gardeners in preference to all other sorts. Pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00, bus. \$7.00.

**BEANS, POLE OR CLIMBING**

**Horticultural, or Speckled Cranberry.** An old popular variety, used largely in the New England States. Pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00, bus. \$7.50.

**Kentucky Wonder, or Old Homestead.** Green pod. A very productive variety; pods long, produced in clusters full length of the pole. Stringless, of very best flavor. Pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00, bus. \$7.00.

**Lazy Wives Pole.** Pods thick, very fleshy, broad and entirely stringless. A very desirable sort, either green or shelled. Dried beans are nearly round, pure white. Pkt. 10c., pt. 20c., qt. 30c., pk. \$2.25, bus. \$8.00.

**White Dutch Case-Knife.** Early, very prolific; used as a Snap Bean when very young, as a Shelled Bean when matured. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.75, bus. \$6.00.

**If Beans are ordered by mail or express prepaid, add 10c. per pint, 15c. per quart, for charges.**

# BEETS

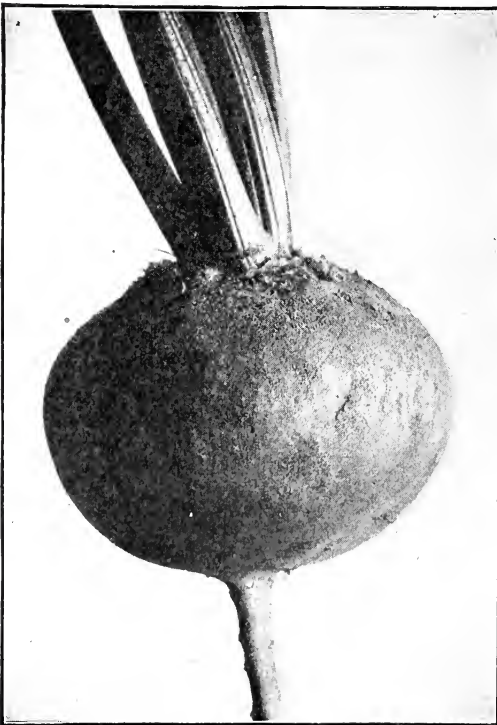
**Culture.**—If wanted very early, sow in hotbeds and transplant. For general use plant seed as early as ground can be nicely worked, usually about first of April. Sow in drills 1 foot apart, about 1 inch deep, and thin out to 2 inches apart in the rows. One ounce of seed to 50 feet of drill; 6 to 8 lbs. per acre.

**Crimson Globe.** As its name implies, a perfect globe-shaped Beet, dark blood-red color, smooth skin, sweet and tender. This is the Beet brought out recently by one of the largest seed firms in England who claims it is a perfect sort for general use. Our stock comes from the originator. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.00.

**Crosby's Improved Egyptian.** A selection out of the well-known Egyptian variety, and is an excellent first early sort, uniform in shape, dark red in color. The tops are small, yet large enough to bunch easily. Next to our Nutting's Early Gem, we believe this is the earliest variety and one of the most satisfactory to grow. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.00.

**Detroit Dark Red** A fine strain of turnip-shaped Beet. Valuable for its remarkable uniformity and smoothness; size medium; flesh fine grained, tender and remaining so for a long time; admirable for either Summer or Fall use. The roots are "real blood" color, smooth and uniformly round and never get "woody." The tops are dark colored and vigorous. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.00.

**Dewing's Blood Turnip.** This is one of the most desirable sorts for late planting. It is a good keeper and for Winter trenching it is unsurpassed. Grows a strong top and a root very dark red in color. The quality is very fine. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.00.



Noll's Superb Beet

**Eclipse.** Extremely early; highly recommended for the home garden; flesh bright red, zoned with white; shape nearly globular. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.00.

**Edmand's Blood Turnip.** A second-early variety of good flavor; small top, deep blood-red in color; an excellent keeper. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.00.

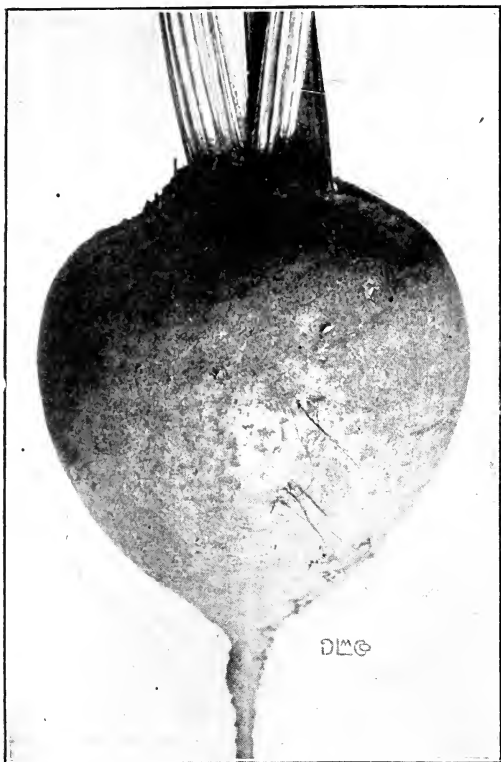
**Egyptian Extra Early.** An excellent forcing sort; round on top but flat on the bottom. It is considered to be the very earliest of all varieties; planted largely by market gardeners for their first Beets; can be planted close and gives good results. We offer a strain of this old and popular sort that we know will please the most critical. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.00.

**Lentz Early Turnip.** This is a great favorite with Philadelphia market gardeners; it is a very early variety, good shape, very smooth, of excellent flavor. Flesh alternate rings of light and dark red, but it cooks entirely red. Our stock of this variety has been grown for us by one of the largest and best market gardeners in this section. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.75.

**Long Smooth Blood-Red.** This is the popular late sort. A most excellent keeper, grows to good size, half out of ground, almost free from side roots, very dark color, sweet and tender. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Noll's Superb** Has taken the lead among early turnip-shaped Beets entirely by superior merit of everything pertaining to a Beet to make it a recognized leader. It is very early, indeed, it is 8 to 10 days ahead of any other early sort now offered. The shape is uniformly perfect, being entirely free from fibrous side roots, which are so objectionable; in fact, it is the smoothest Beet within our knowledge. The flesh is a rich, dark blood-red, tender, crisp, and deliciously sweet, besides having a very small top; is an ideal variety for bunching. We offered this Beet for the first time in 1910, and we were delighted by the favorable reports received, although we knew everyone would be delighted with its superiority. Will produce a good crop inside of 7 weeks from sowing. Is excellent as a forcing sort or as a main crop. Pkt. 15c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Nutting's Early Gem** Without a peer as to shape, size, color and quality. Has satisfied the most critical and experienced gardeners who have pronounced it the "King of Beets," and we believe that the merits of this variety as a money-maker are unequalled. Its valuable features consist in its being very early, perfectly smooth, tender and sweet, dark in color, and does not crack as the old Egyptian and other early varieties. It produces roots of marketable size in shorter time than any other sort which places it at the head of the list for growing in greenhouses, and if sown in July for a late crop will be ready for market quicker than any other sort. Pkt. 15c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.



Detroit Dark Red Beet—See page 6

**BEETS—Continued**

**Strasburg Half-Long.** This is, in our opinion, the very best half-long Beet in cultivation; root is dark red, smooth and attractive in appearance; it is very sweet, tender and crisp. A very desirable sort for Winter or Spring use. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**SWISS CHARD**

Is becoming more popular every year in this country and should be given a place in every garden. Grown for the leaves only and cooked like Spinach—by many it is considered superior. The mid-rib is often prepared the same as Asparagus. This delightful vegetable can be sown, at different seasons, so that you can always have greens for boiling. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**MANGELS AND SUGAR BEET**

**Culture.**—Sow in May or June in rows 18 inches apart and thin to 8 inches in the row. Cover seed about 1 inch and press soil firmly over it. Cultivate frequently so as to keep soil loose. One ounce of seed to 50 feet of drill, 6 to 8 pounds per acre.

**Golden Tankard Mangel.** Grows small top; flesh bright yellow, zoned with white; highly thought of among dairymen. It is medium early and a good cropper. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 50c.

**Mammoth Long Red Mangel** This is the largest of all the Mangels; grows to an enormous size and will yield more tons per acre than any other variety. This Mangel is planted more largely than any other. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 50c.



Brussels Sprouts

**Giant Half Sugar Rose.**

White with a rosy top. Flesh is pure white, yields enormously; grows half out of ground and is easily harvested. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 50c.

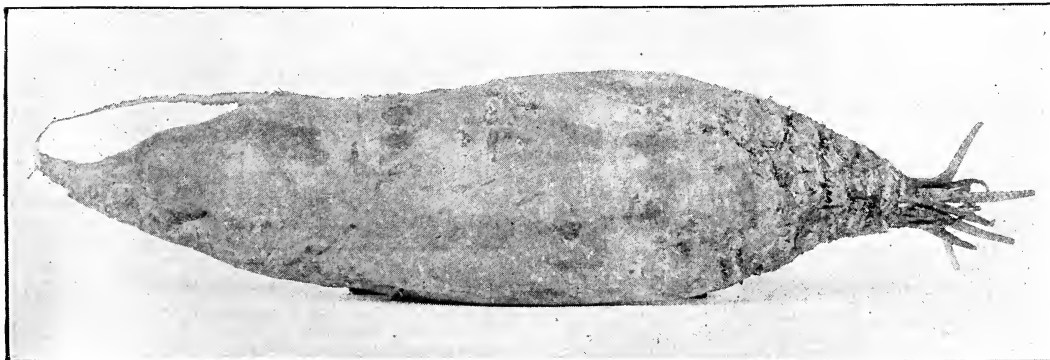
**Vilmorin's Improved Sugar.** One of the best sugar sorts introduced. Very rich in sugar. Will do better on new lands than any other sort. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**BRUSSELS SPROUTS**

**Culture.**—Practically the same as for Cabbage. For Fall use sow in early Spring, and in June for late crop. Set the plants in rows about  $2\frac{1}{2}$  feet apart, and from 12 to 18 inches apart in the rows.

**Half Dwarf Improved.**

The best variety for the market gardener to grow. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.



Mammoth Long Red Mangel



# CABBAGE

**Culture.**—Cabbage thrives best in a rich soil which is well drained. For early varieties plant seed in hotbeds in January or February. Transplant as early as ground is in good condition; set plants in rows  $2\frac{1}{2}$  feet apart, 18 inches between plants. For late crop sow in May or early June, in open ground in a cool, moist place and transplant when 4 to 6 inches high. One ounce of seed for 3000 to 4000 plants; 3 to 4 ounces per acre.

**All-Head Early.** A large, flat-headed early variety; comes in earlier than Early Summer, and is considerably larger. Heads are of good shape, uniform in size, very hard and heavy. All things considered, we believe that, after our Market Gardeners' Cabbage, this is the very best of the early sorts. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.10, lb. \$3.25.

**All Seasons.** As its name implies, is good for Spring, Summer or Fall planting; gives universal satisfaction; a dependable Cabbage under all conditions. We are confident it will please our customers who want a good second early, roundheaded sort. Stands heat and drought remarkably well. Pkt. 5c., oz. 30c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

**Autumn King, or World Beater.** A good variety for late planting; it grows a very large, solid head; leaves grow very close; head is flattened, and of very good quality. It matures about same time as Late Flat Dutch. We consider it a very good variety for storing for Winter use. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 80c., lb. \$2.50.

**Charleston Wakefield.** This is larger but later than Jersey Wakefield. It is, however, an early Cabbage; heads are less pointed but solid. A very desirable variety to follow the extra early sorts. It is a good keeper, of excellent quality; a first-class shipper, and very popular in all sections where Cabbage is grown for market purposes. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c., lb. \$3.00.

**Copenhagen Market** This is without doubt the finest early round head Cabbage yet introduced. It is as early as the Large Wakefield and will produce more per acre. Grows on a short stem with very compact heads, having very few outer leaves. Customers who give this variety a trial will be delighted with this Cabbage. Pkt. 15c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.00.



Danish Round Head Cabbage



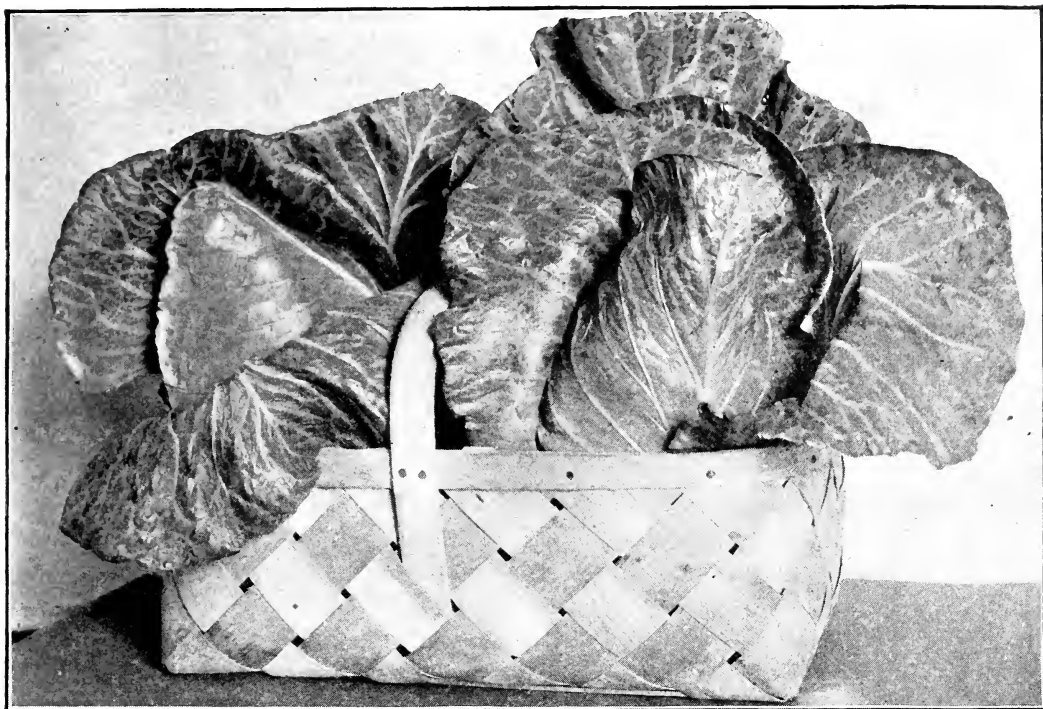
All-Head Early Cabbage

**Danish Ball Head** (Tall-stemmed). The great Winter keeper. In a great many Cabbage sections, particularly New York and Michigan, this is the only Cabbage planted for a Fall or Winter variety. Its keeping qualities cannot be surpassed. Plant very vigorous, compact, extremely hardy; heads very heavy, globe-shaped and, when stored for Winter or early use, keep perfectly. We offer a very choice strain of this most popular sort. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Danish Delicatesse** A distinct variety of red Cabbage recently introduced and which we offered last year (1912) for the first time. We did not anticipate this new addition would create such entire satisfaction the first year, but, according to reports from customers, generally, who tried it last season, it has done splendidly and is sure to take a place ahead of the old types of red sorts. It is quite a distinct sort, producing a head somewhat pointed and grows very hard and firm. It is not subject to splitting like most sorts of red Cabbage. Color is very dark and it makes a good variety for the garden as well as for market. We anticipate a great many orders for this new variety the coming season due to the satisfaction it has given. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.75, lb. \$5.00.

**Danish Round Head** (Short-stemmed). This variety is similar to the Danish Ball Head, but grows more compact and on a shorter stem. The heads are somewhat larger and are extremely hard and solid. Is one of the best keeping varieties originated and we can safely recommend it to our customers. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.





Early Jersey Wakefield Cabbage

## CABBAGE—Continued

**Danish Stonehead.** This is another new introduction along the lines of the older types of Red Cabbage. Its points of merit are hard heading ability and dark color. The heads are very large and are of a very dark red color. The quality is exceedingly fine and we believe it will please the most critical. Pkt. 10c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00, lb. \$6.00.

**Early Jersey Wakefield** This is conceded to be the earliest and hardest heading of the conical, or pointed headed sorts in cultivation. This variety for an early Cabbage is probably more largely planted than any other, both for home and market use. It grows a good-sized head, has few outer leaves and matures a crop in from 90 to 100 days. Quality is excellent. Our stock is grown on Long Island and cannot be surpassed in quality. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Early Spring.** A good early flat-headed variety; it grows few outer leaves, so can be planted very close, thus producing large crops per acre. The heads are as large as many of the late varieties; they are very solid and compact and of the very best quality. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 85c., lb. \$2.50.

**Early Summer.** A popular variety in many sections; the heads are round and flattened, very solid and of very fine quality. It is a sure heading sort and can be planted for either private or market garden purposes to very good advantage. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

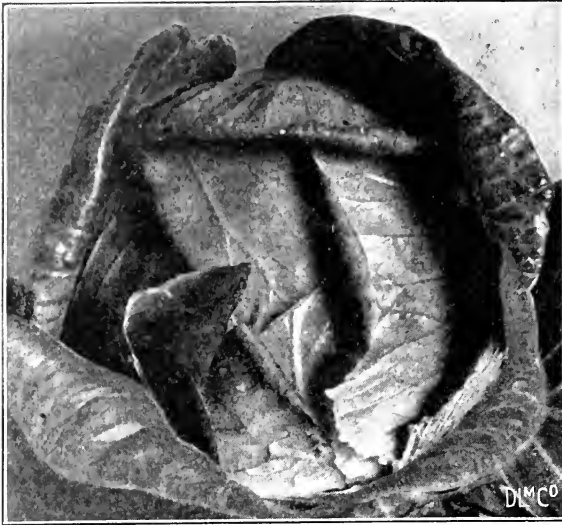
**Early Winnigstadt.** An old and popular variety, on account of its remarkable keeping qualities. It seems to stand drought and is affected less with insects and disease than many others. It has a conical head of good size and quality. It is an extra early variety of great merit. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.00.

**Fottler's Brunswick.** A very low-growing, flat-headed variety; the heads are large and solid and have few outer leaves; it is a desirable intermediate or late sort. This is an old but still very popular variety. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

**Glory of Enkhuizen.** A fine, early globe-shaped Cabbage. Produces solid heads with few outer leaves, permitting of close planting. The color is a handsome dark green and it is a very good variety for the market gardener to grow as well as for the home garden. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Large Late Drumhead.** A very popular late variety of the Flat Dutch type; of excellent quality; heads grow very large, are always solid and heavy; it grows a short stem. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Mammoth Red Rock.** By far the best, largest and hardest heading Red Cabbage ever introduced. The plant is large, with numerous spreading leaves, and the head large, very solid, and of deep red color inside as well as outside. We have a selected stock of this very popular and profitable red sort. This is much larger than Red Dutch and Red Polish. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c., lb. \$3.00.



Market Gardeners' Cabbage

## CABBAGE—Continued

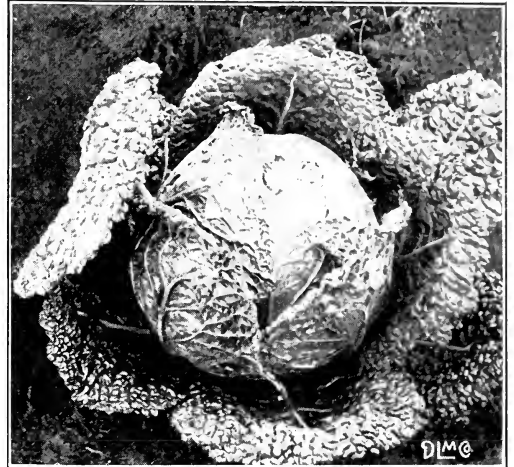
**Market Gardeners'** The best early flat-head Cabbage in existence. Quick growing, perfect type and a sure header. We particularly recommended this variety for the market gardener, trucker or private use. It is as perfect a Cabbage as can be obtained; handsome in color, fine in quality. Heads average 8 to 12 lbs. each. One of our Southern customers, who has grown Cabbage for over 30



Superb Late Flat Dutch Cabbage

years, writes us he has tried all varieties, and Market Gardeners' obtained from us is the best he has ever used. Our sales are increasing every year on this variety. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$3.50.

**Noll's Perfection Savoy** The best hard-heading variety. Market gardeners' private stock. This variety, the result of many years' careful selection, is certainly the perfection in the Savoys. It is unquestionably the best and most profitable strain to grow, being far superior to the ordinary imported Drumhead Savoy, as generally sold, the seed of which can be supplied at less than half the price. The heads are large, very uniform, solid and hard, of a deep green color. It is very curly and sure to head, keeps well and retains its color. It is the best selling market variety of all the Savoys. The eating qualities of Savoy Cabbage are of the best. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c., lb. \$3.00.



Noll's Perfection Savoy Cabbage

**Succession.** A very popular Midsummer or second early variety of unquestionable merit; it matures after Early Summer, is larger and more solid. It stands heat and drought very well and never fails to mature a crop. One of the very best Cabbages for Summer use. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 85c., lb. \$2.50.

**Superb Late Flat Dutch.** The very best of the late varieties. Grows a very large, flat head of superior quality, of a bluish green color, with few outer leaves, on a short stem. There are many strains of Late Flat Dutch Cabbage but we are very confident none will be found superior to our selected Long Island grown strain of this most excellent sort. No mistake can be made in planting this variety for late or Winter Cabbage. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Surehead.** It gives the greatest satisfaction to private gardeners and truckers for a large, late, flat-headed sort of the general type of Large Late Flat Dutch. We have the genuine Long Island grown strain of this very popular sort. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 85c., lb. \$2.50.



# CARROT

## Very Short Crop this Season

**Culture.**—Carrots give satisfactory results sown in any good garden soil if thoroughly and deeply worked; a sandy loam, well manured, is very desirable. For an early crop sow as early as the ground can be worked. For garden culture sow in rows 16 to 18 inches apart; for field culture 18 to 24 inches apart. Thin out to 2 to 3 inches apart in rows. Plant seed  $\frac{1}{2}$  to 1 inch deep, care being taken to press the soil firmly over the seed. One ounce of seed to 100 feet of drill; 3 to 4 pounds per acre.

**Chantenay Half-Long.** One of the handsomest of all the Carrots, smooth, and of a rich orange color. A very desirable variety for the home garden. We have sold this variety for many years to the entire satisfaction of all who have planted it. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

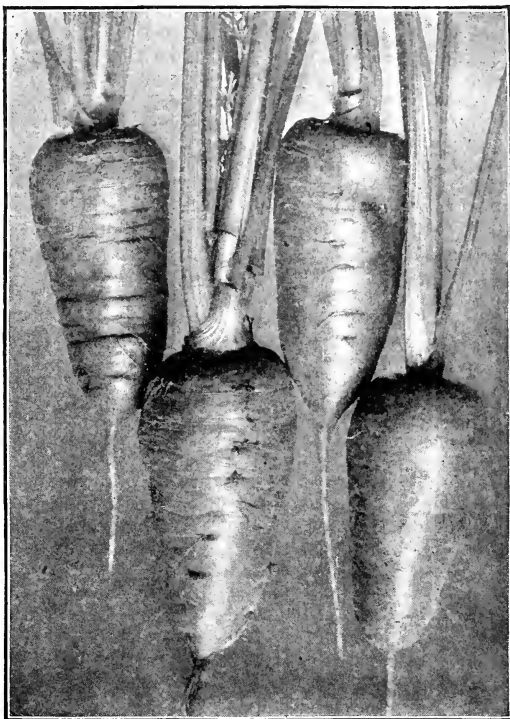
**Danvers Half-Long.** This is one of the greatest yielders of the Carrots; planted by many for both table use and stock feeding. It seems to do well in all sections and under all conditions. It is half-long in shape, perfectly smooth, with a stump root. Color dark orange; flesh sweet and tender. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Half-Long Luc.** A new sort very popular in France. A half-long stump-rooted sort; very heavy cropper; free from core; flesh tender, sweet and delicious; desirable either for market or home use. It is an enormous yielder and we can highly recommend it to any of our customers. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Long Orange.** We have a very carefully selected strain of this variety, which is the best of all the long sorts. This old Carrot is probably better known and more largely planted than any other of the long varieties. It is very true as to shape and color; a good yielder; flesh deep orange color. A popular sort for the farm. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.00.

**New York Market.** This is one of the handsomest Carrots ever produced. Type is half-long, stump-rooted, similar to the Danvers. It is a very heavy yielder. Roots are smooth, straight and free from roughness. Tops are small considering the size of roots. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Noll's Early Short-Top Forcing.** This is the best frame Carrot ever offered, and is also an excellent outdoor sort. It has a short top, is perfectly smooth and has a rich orange color. One important feature about this Carrot is that it has the color desired when it is quite small and does not crack open. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.



Rubicon Carrot

**Oxheart, or Guerande.** This Carrot runs 3 to 4 inches in diameter; short and thick; a most excellent table variety. The color and quality are all that can be desired. It is a great favorite with many of the market gardeners. We recommend this variety to anyone wishing to produce a short Carrot. Pkt. 5c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Rubicon, Half-Long** The finest bunch Carrot in existence today. This is an entirely new and distinct American strain, finely shaped and of beautiful deep orange color. It grows without neck, and is hollow crowned. Being earlier than the Danvers, the leaves are one-third shorter, fewer and finer than in that well-known sort. It is excellent for growing under glass or outside, at any season of the year. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**White Belgian.** The popular sort for stock feeding. Grows a foot long, standing about half out of the ground. Flesh is coarse and is only desirable for stock feeding. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.



New York Market Carrot

# CAULIFLOWER

**Culture.**—Plant seed in hot beds in March or early in April and transplant to coldframes as soon as large enough to handle. Plant in the open ground as soon as danger of hard frost is past. Cauliflower delights in a very rich soil, and must be thoroughly cultivated. One ounce of seed will produce 3000 to 4000 plants.

**Dry Weather.** A drought-resisting variety. A success where many others fail. This we have found to give the utmost satisfaction to growers who are situated in a particularly dry location, where it is at its best. It will not do well when neglected or on poor soil, but given good cultivation will produce pure white, solid heads that are as large as our Superior Extra Early, but matures somewhat later. Will do with less water than any other known variety and will do equally as well if it has an abundance. This variety of Cauliflower is a treasure to those who before have not been able to cultivate this fine, delicious vegetable. Pkt. 25c.,  $\frac{1}{4}$  oz. \$1.50, oz. \$5.00.

**Early Snowball.** Originally recommended and used as an early variety, but it has largely driven out the large late sorts for Fall use, being much finer in quality, and certain to head when conditions are ordinarily favorable, forming a perfect snow-white head, averaging not less than 8 inches and often attaining a size of 10 to 12 inches in diameter. It is one of the earliest of Cauliflowers. Its close-growing, compact habit enables one-third more to be planted on the same space of ground than can be done with other varieties. For forcing under glass during Winter and Spring it is well adapted, from its dwarf growth and short outer leaves. Pkt. 20c., oz. \$3.00,  $\frac{1}{4}$  lb. \$11.00.

**Extra Early Dwarf Erfurt.** Extra Early Dwarf Erfurt is one of the very best varieties for field cultivation for either early or late, heading with great certainty under conditions at all congenial, producing extra large, deep, solid white "flowers." The plant is of large, sturdy, robust growth, having a strong frame with short, broad leaves which furnish ample protection to the "flower." This Cauliflower is of the finest quality. The heads are always clear, with even surface and without any leaf growing between. It is unsurpassed in appearance. For years we have held the bulk of the trade in sections where large fields of Cauliflower are grown for Eastern markets and almost entirely with this sort. Pkt. 20c., oz. \$4.00,  $\frac{1}{4}$  lb. \$15.00.

**Noll's Superior Extra Early** The earliest and surest header of them all. In this strain of Cauliflower we feel we are offering our customers one that cannot be surpassed. It is extremely early and valuable for forcing under glass or for outdoor planting. It is very desirable not only on account of its extreme earliness and certainty to produce fine heads, but also for its beautiful color, being pure white, very heavy and of extra fine quality. It is a dwarf and compact sort, having short leaves and can be planted closer than most other varieties. Pkt. 25c.,  $\frac{1}{4}$  oz. \$1.50, oz. \$5.00.



Noll's Superior Extra Early Cauliflower

## CORN SALAD

**Culture.**—Plant during August or September in shallow drills about 1 foot apart; press ground firmly to insure good germination.

**Broad-leaved** (Large-seeded). Used during the Winter and Spring months as a substitute for Lettuce; can also be cooked like Spinach. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

## CRESS

**Culture.**—Sow in drills about 12 to 16 inches apart, in rich ground; cultivate thoroughly. Plant early in Spring and repeat every week or 10 days for a succession. One ounce to 100 feet of drill.

**Extra Curled, or Pepper Grass.** Fine for salads; also used for garnishing. It has a very agreeable flavor. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.



# CELERY

**Culture.**—Seed of Celery is frequently slow to germinate. Sow seed early in the Spring on soil that has been finely pulverized and just barely cover it. Keep it moist by frequent watering. When plants are 3 to 4 inches high, by clipping the tops you will make the plants much more stocky. Transplant in rows in shallow trenches in well manured land until ready to set out in the garden or truck patch, then plant in trenches, 3 to 4 feet apart, about 6 inches apart in the rows. Usually about middle of June to first of July is the best time to set out Celery plants. When nearly full grown start to bank up, by gathering the leaves together and drawing the soil around the plants about one-third up, and repeat in a few days until only the tops of the plant are to be seen. This is done for bleaching purposes. One ounce of seed for 5000 plants.

**Golden Dwarf.** An old standard variety, of good quality. Produces large, full stalks; blanches a good color; keeps well. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

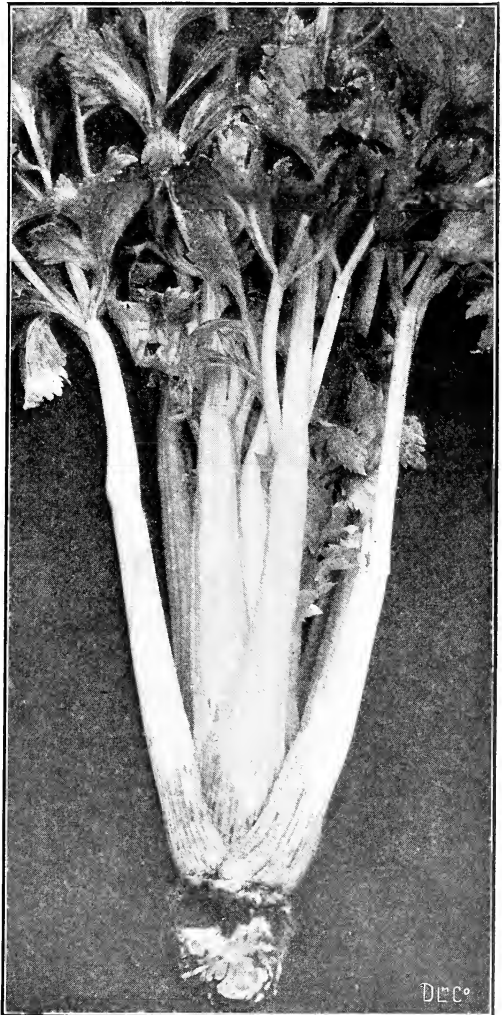
**Golden Self-Blanching** French grown, unsurpassed. We have been furnishing our customers this strain of Golden Self-Blanching Celery for a number of years and it is pronounced by one and all the finest strain they have ever seen. The color is a rich golden yellow, very solid and tender, flavor is delicious, has large heart, grows medium height, and is without doubt the best early Celery on the market. The demand for our strain of this variety is increasing every year and we advise our customers to order early, as supply is limited on account of short crop. We are confident you cannot obtain anywhere a strain of Golden Self-Blanching Celery superior to our own particular selected French-grown seed. Pkt. 15c., oz. \$2.00,  $\frac{1}{4}$  lb. \$5.00, lb. \$18.00.

**Giant Pascal.** A desirable late Fall, or Winter variety, large stalk, of good nutty flavor. Blanches a good whitish color; is an excellent keeper; very popular in the South. Pkt. 5c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**New Rose.** A red variety of good flavor; color a beautiful rose shade; excellent keeper; the best of the red or Rose Celeries. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**Noll's Magnificent** New long-keeping Celery. The best type of late or long-keeping Celery ever offered. We obtained our stock seed of this variety at a very high price from a large market gardener, who has been growing only this variety for twelve years and never before could be induced to part with any of his seed at any price. We immediately sent it to the best Celery grower in France to grow a crop for us, who reported he was very much pleased with it. It throws a small percentage of a larger or taller growing sort, which is also very good, and as the percentage is so small we consider it no drawback. We regard this the very best type of green Celery on the market today. It is late, of the finest quality, very full hearted, solid, crisp, and when bleached, of a golden yellow color. A most excellent keeper. We recommend it to market gardeners as the money-maker in Celery. Pkt. 15c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.25, lb. \$8.00.

**Perfected White Plume** A very popular early sort in many sections. It is of fine appearance, of good flavor and, for early use, a very desirable variety. As it fully matures the leaves turn white, requiring very little banking or earthing up to fit it for use. We have a very select strain of this variety, pronounced as nearly perfect as any on the market. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.



Golden Self-Blanching Celery

All varieties of Celery we sell are French grown and you cannot purchase any better

**CELERY—Continued****Winter Queen.** A very popular Winter Celery.

It is one of the very best keepers; has been taken out in good condition as late as April or May. It is very heavy, large hearted, of a sweet nutty flavor, so desirable in Celery. It makes a very attractive bunch and is a ready seller. For a late keeping variety, after Noll's Magnificent we think this is the best. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

## CELERIAC, OR TURNIP-ROOTED CELERY

### Large Smooth Dwarf Moonarchie

This strain is superior in many respects to the older varieties, as it is fine-grained, free from the side roots which are usually found on most varieties, has a short top and produces a large bulb or knob. It is of a fine quality and good keeper. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Large Smooth Prague.** One of the largest smooth skin varieties grown, exceptionally free from side roots. A very desirable sort for main crop; roots are almost globe shaped; flavor is of the best; we consider it one of the best of the Turnip-Rooted Celeries. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.



Large Smooth Dwarf Moonarchie Celeriac



Perfected White Plume Celery

## CHERVIL

**Curled.** A very beautiful hardy annual, used for flavoring and garnishing; sown in Spring, ready for use in 6 or 8 weeks. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.

## CHICORY

**Large Rooted, or Coffee.** The roots when dried are used as a substitute or adulterant for coffee. Sow early in Spring, in drills and thin to 6 inches in the rows. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

## COLLARDS

**True Georgia.** Used as greens and for stock feeding. Sow in drills and thin out to 2 or 3 feet apart in the row. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

## SEEDS FREE

We deliver free by mail or express, our option, all Vegetable or Flower Seeds by the packet, ounce, quarter-pound and pound unless otherwise quoted. We do not deliver Beans, Corn or Peas except in packets

# SWEET CORN

**Culture.**—Thrives best on a rich, warm soil, sod land, or where Clover has been turned under. Plant after danger from frost is passed, in hills 3 x 3 feet apart, or for larger varieties 3 x 4 feet apart; drop 6 to 8 grains per hill and thin out to not over 3 stalks to the hill. Keep ground well cultivated. Plant at the rate of 1 quart for 200 hills, 6 to 8 quarts per acre.

## EARLY VARIETIES

**Black Mexican.** The grain when dry is black. In an edible state is white and is without question the sweetest of all the early varieties. We consider it one of the best for family use. Grows a good fodder and a large ear. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.50.

**Early Champion.** A fine second or medium-early. Produces large and attractive ears, sweet, white and tender. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.00, bus. \$3.75.

**Early Mammoth.** A very large-eared variety for an early Corn; quality good. Very popular with market gardeners. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.00.

**Early Minnesota.** An old standby, considered by many the best of the extra earlies. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.00.

**Early Premo.** Claimed by the originator to be the earliest of all. It is no doubt a most desirable sort among the first-early sorts. Large-sized ear of good quality. Pkt. 10c., pt. 20c., qt. 35c., pk. \$1.50, bus. \$4.50.

**Early Red Cob Cory.** One of the favorite extra-early sorts. Very dwarf, often two ears to the stalk. Matures in 65 to 70 days from planting. Quality good for such an early variety. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.00.

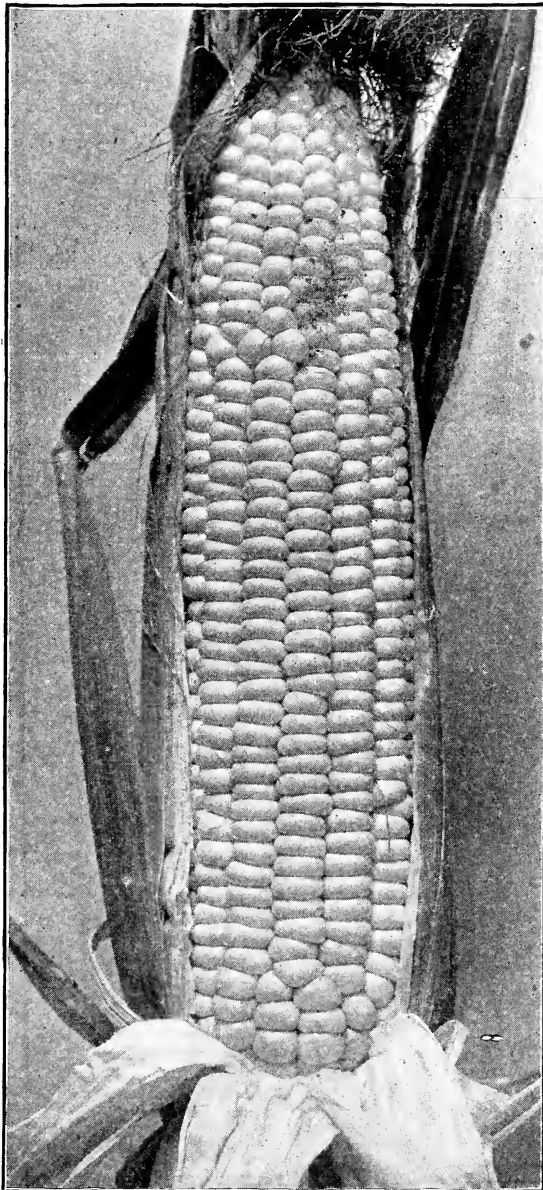
**Early White Cob Cory.** Very similar to the Red Cob Cory, excepting it has a white cob and white kernels. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.00.

**Kendall's Early Giant.** Ears large, having 10 to 12 rows, pure white, sweet, tender, and very prolific; matures as early if not earlier than any of the second-earlies. A very popular variety. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.50.

**Metropolitan.** A few days later than the Cory, ears larger and of better quality. One of the best extra-early sorts. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.00.

**Noll's New Early** We offered this variety last season (1912) after two years' trial and we are very well pleased with the reports we have received from our customers who gave this variety a trial. They pronounce it one of the best early sorts they had ever planted and were amazed at the large ears and fine quality. This sort grows an ear 8 to 9 inches in length, having 2 or more ears on a stalk, which are from 5 to 6 feet tall. The ears are borne well up from the ground, and are covered with a heavy husk which acts as a good protection against insects, smut, etc. We suggest a trial order to those who have not given this sort a trial. Pkt. 15c., pt. 30c., qt. 50c., pk. \$2.00, bus. \$6.00.

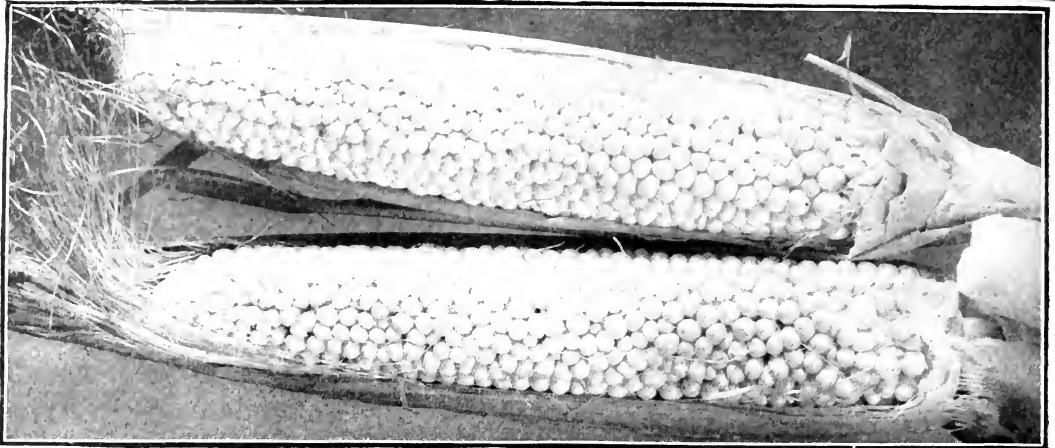
**Noll's Early Express** The best extra-early Corn on the market. Good quality extra earliness and productiveness are combined in this new Corn. The earliest of all the true Sweet Corns. Good-sized ear for such an early sort; it is the first in market, therefore commands the very highest prices. Try this variety this year and surprise your neighbors. Pkt. 10c., pt. 20c., qt. 35c., pk. \$1.75, bus. \$5.00.



Noll's New Early Corn—Half Actual Size

If Corn is ordered by mail or express prepaid, add 10c. per pint, 15c. per quart, for charges.





Country Gentleman or Shoe Peg Corn

## CORN—MEDIUM AND LATE VARIETIES

**Country Gentleman, or Shoe Peg.** After Stowell's, this is the best of the late Corns. The ears are large and well filled with irregular grains which are very deep and of a sugary flavor. This is a very prolific variety, 2 to 3 ears frequently on one stalk. A very popular sort for hotel trade and fancy grocers, as well as for home use. Pkt. 10c., pt. 20c., qt. 35c., pk. \$1.50, bus. \$4.50.

**Golden Bantam.** A new variety of great merit. It is yellow in color but very sweet, ears are small, well filled out at ends. A very valuable variety for the home garden for first crop. Pkt. 10c., pt. 20c., qt. 35c., pk. \$1.50, bus. \$5.00.

**Late Mammoth.** This grows, as its name implies, a mammoth ear, but of the best quality, sweet and very tender. It is planted in many sections as the best of the late sorts. We have had customers write: "The only fault with your late Mammoth Corn is, it grows ears too large." Fodder is very tall and heavy, grows frequently 8 feet high. Pkt. 10c., pt. 20c., qt. 35c., pk. \$1.50, bus. \$4.00.

**Long Island Beauty.** A most prolific variety, quality extra good. One of the most desirable sorts for late planting. A great favorite with Long Island market gardeners; one of the ready sellers in the New York markets. Pkt. 10c., pt. 20c., qt. 35c., pk. \$1.75, bus. \$5.00.

**Moonarchie.** About as late as Evergreen. Produces very large ears; very popular with our market garden trade. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.50, bus. \$4.50.

**Perry's Hybrid.** A very popular second-early, producing good-sized, well filled ears of sweet and tender quality. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.00.

**Stowell's Evergreen.** We doubt if there is a seed catalogue published that does not contain this old and famous Corn. We have always taken great pride in our strain of Evergreen and feel we cannot recommend it too highly for the main crop, whether for market or home use. Ears are very large, very deep grains and remarkably sweet. It remains longer in a green state than any other. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.00.

**White Evergreen.** Claimed by the introducer to be superior to the old and reliable Stowell's Evergreen. Grain pure white, quality excellent, ears and fodder large. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.50.

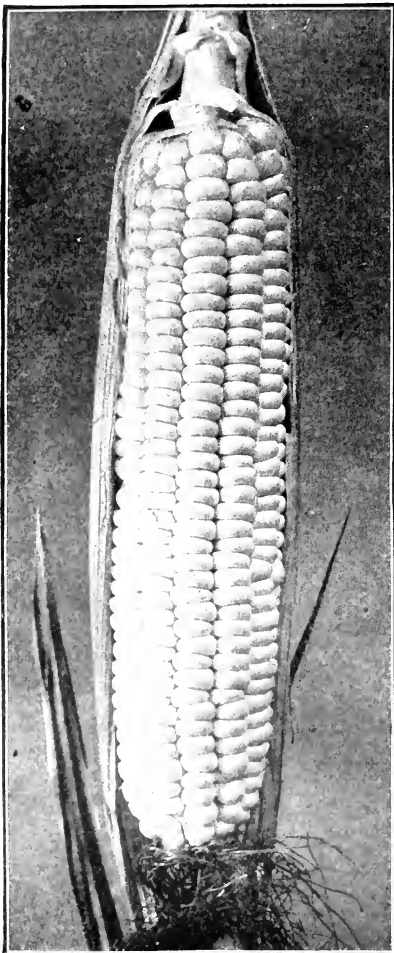
## POP CORN

**Queen's Golden.** A very handsome yellow sort, pops pure white. Very large and excellent quality.

**White Rice.** This is the old standard variety. Kernels long and pointed and cannot be surpassed for parching. We recommend this sort as the very best.

Any of the above Pop Corns: Pkt. 10c., pt. 20c., qt. 35c., postpaid. By express or freight not prepaid: Qt. 25c., pk. \$1.25, bus. \$4.00.

If Corn is ordered by mail or express prepaid, add 10c. per pint, 15c. per quart, for charges



Stowell's Evergreen Corn



# CUCUMBERS

**Culture.**—Plant in well enriched soil, using an abundance of well-rotted manure. Plant about 1 inch deep, in hills 4 to 6 feet apart each way, dropping 10 to 12 seeds per hill. When well up, thin out to 3 or 4 per hill. Cucumbers are subject to insect attacks, particularly the striped beetle; they usually attack them as soon as they appear above the soil. This can be prevented by dusting them with air-slacked lime, chimney soot or wood ashes mixed with fine dirt. Use 1 ounce of seed to 50 hills, 2 to 3 pounds per acre.

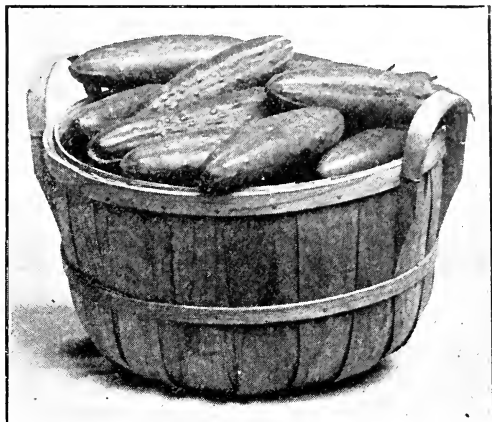
**Boston Pickling.** Used extensively in the Boston markets. A medium long variety, very prolific and early. A very good variety for pickling purposes. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Chicago Pickling.** A very prolific pickling sort but not quite as early as the Boston Pickling. Largely used around Chicago markets where it is in great demand. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Cool and Crisp.** A very early and prolific variety. Fruit is long and good shape, dark green in color; it shows knobs bearing spines more than most varieties. It is a good home variety as well as an attractive market sort. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Davis' Perfect** This variety as it becomes better known is driving other sorts out of the market. We predict a great future for this sort. It is in color a glossy green; shape slim, symmetrical, with an average length of 10 to 12 inches. The quality is fine and of exceptionally good flavor. Another strong point of merit is its shipping qualities; it seems to hold its color and brittleness long after being cut. It is a very strong grower and is able to resist the Cucumber disease. This Cucumber can be used under glass as well as for growing out of doors. Claimed to cut from 30 to 50 per cent. more Cucumbers from the vines of this variety than any other. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Early Green Cluster.** Very prolific, producing the fruits in clusters near the root of the vine,



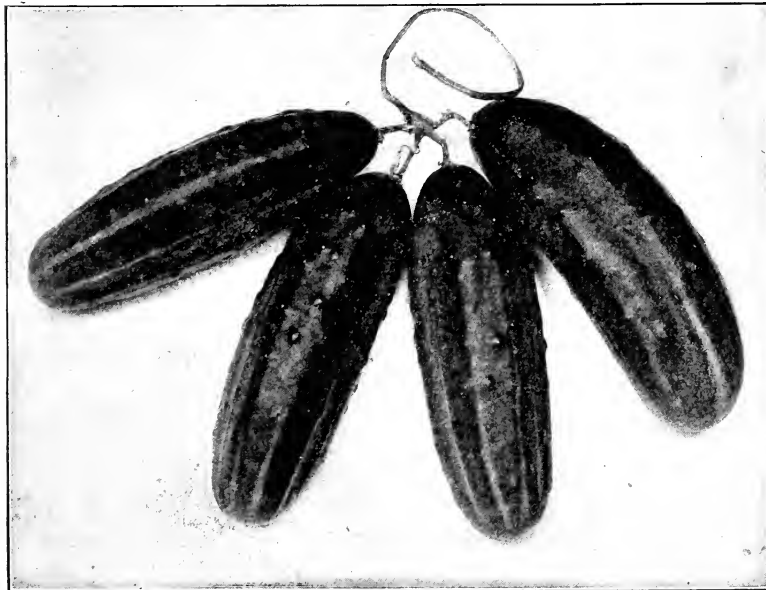
Davis' Perfect Cucumber

Fruit short and thicker at one end. If fruits are picked frequently, the vines continue to bear for a long season. It is a good pickling variety. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Evergreen White Spine.** This variety grows fruit 10 to 12 inches in length and of rather large diameter. It is an early and vigorous grower. More blight-proof than any of the longer sorts. Color a dark green. In shape it is straight and smooth. A very good flavor, which makes it an excellent variety for home use as well as for the market. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Extra Early Green Prolific.** A very desirable pickling sort, dark green in color, handsome and attractive. It is very early, extremely prolific; one of the best for pickles, as it grows of a very uniform size and shape. It is also a very desirable variety for early market use. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Fordhook Famous.** An extra long Cucumber of the White Spine family; it is smooth, straight and very handsome in appearance; skin is dark; flesh is a greenish white, very firm and crisp. It is very prolific; a good keeping and excellent shipping variety. We are very sure our customers will be pleased with this variety. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.



Improved Arlington White Spine Cucumber—See page 18.



Matchless Extra Early White Spine Cucumber

## CUCUMBERS—Continued

**Improved Arlington White Spine**

This is one of the most popular sorts and is grown extensively in the Southern States for Northern markets. The fruits are very crisp and tender, of good color and appearance. It is very prolific. As a shipper there are few varieties that can compare with it. We sell thousands of pounds of this variety every year and our stock is the best to be had. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Matchless White Spine, Extra Early**

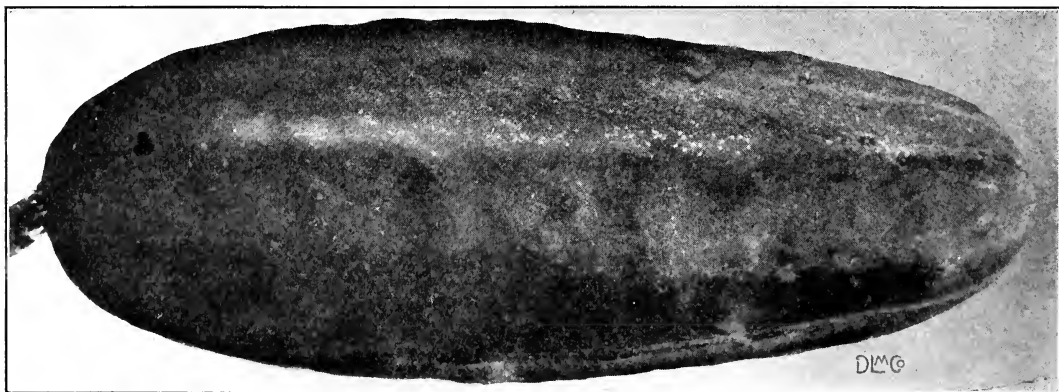
This is a very fine type of the "Spine" family and is pronounced by many of our market gardener customers as one of the finest Cucumbers they can grow. It is extremely early and very prolific. It is longer than the Improved Arlington White Spine and is decidedly darker in color and equally as productive. It makes a very valuable Cucumber for shipping, arriving at the markets in prime condition. Fruits are very attractive, being 10' to 12 inches long; are solid and heavy. This variety has displaced the private stock of a good many customers around our local markets and New York. To those who are critical regarding Cucumbers, we suggest a trial of this sort, as we are sure it will prove to their liking. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Japanese Climbing.** Can be grown on trellis, producing fruits of dark green color and good quality. This variety is a very desirable sort for growing where the space is limited, as it does better if grown on a pole or trellis than when grown on the ground. Pkt. 10c., oz. 25c.

**Noll's Early Prolific White Spine**

We consider this one of the finest strains of White Spine Cucumbers we have ever seen. Its points of merit are: Earliness, productiveness and attractive appearance. It is as early as the Early White Spine, but is a great deal darker in color, being a dark green with very little white at the tip end. It is wonderfully prolific and its attractive appearance makes it a ready seller. Our stock seed of this variety was obtained from a very prominent and critical grower in New York State, who has grown it for years and who worked to perfect it so as to obtain an early, productive and handsome sort. Our sales of this sort amount to thousands of pounds every year, which is good evidence of its popularity. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**West India Gherkin.** A small variety about 2 inches long, used exclusively for pickling; very productive. Pkt. 10c., oz. 25c.



Noll's Early Prolific White Spine Cucumber

## DANDELION

Culture.—Sow early in the Spring in rows 18 inches apart. When plants are well started thin out to 10 inches apart. One ounce to 200 feet drill.

**Common, or French.** The popular sort; makes most excellent greens; very healthful. A great improvement on the wild Dandelion. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

## EGG PLANT

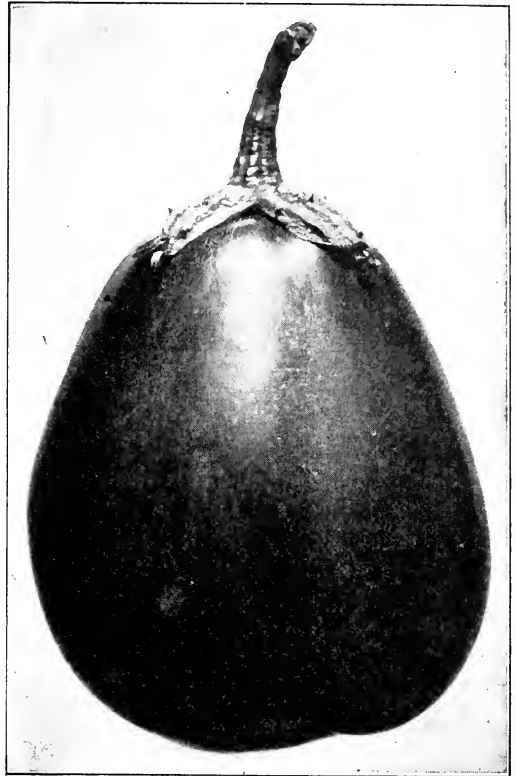
Culture.—Seed are of slow germination, require moderate amount of heat. Should be started in hotbeds and not checked after starting to grow. When 2 or 3 inches high they should be potted in 3-inch pots and not set out in the open until nights are warm. Plant in rich soil for best results. Plant about 3 feet apart and keep well watered. One ounce of seed will produce about 1000 plants.

**Black Beauty.** This new variety is an excellent market sort. It is about the same size and shape as the New York Improved, except a little fuller at the top; is a few days earlier and a heavier yielder. Its color is a rich purplish black, which it retains even after becoming dead ripe. True stock. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50, lb. \$5.00.

**New Jersey Improved** Large Smooth stem, dark purple.

Market gardeners and shippers will find this variety the best in cultivation. The habit of the plant is low and branching, and it is quite free from spines. Leaves of a light green shade. Fruit early, very large, oval and of a fine deep purple. Flesh very white, tender and of superior quality. Pkt. 10c., oz. 45c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.50.

**New York Improved Spineless Purple.** A very popular variety in many locations. Fruit is large, entirely free from thorns or spines, of very good purple color. An old, well-tried variety and until the Black Beauty and New Jersey Improved were introduced, more largely planted than any other. We have a very choice strain of this sort. Pkt. 10c., oz. 45c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.50.



New Jersey Improved Egg Plant

## ENDIVE

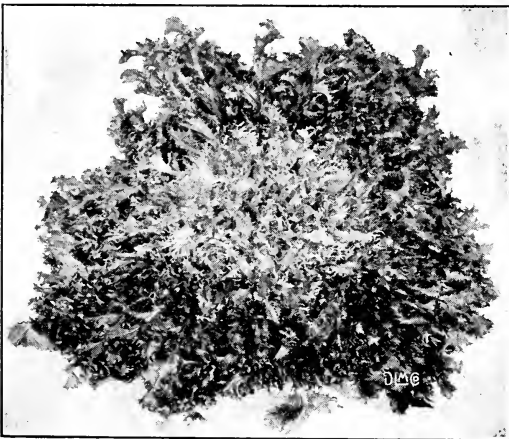
Culture.—Sow early in April for early crop but is usually used as a late Fall crop. Sow seed in June or July in drills 15 to 20 inches apart and thin out to 1 foot apart in the drills. To blanch the heart tie outer leaves together. One ounce to 150 feet of drill.

**Broad-Leaved Batavian (Escarolle).** Has broad, thick, slightly wrinkled leaves, forming a large head which is preferred for stews and soups; but if the leaves are gathered and tied at the top, the whole plant will blanch nicely and make an excellent salad. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Mammoth Green Curled.** Noll's selected strain. This beautiful and valuable variety is much superior to the old Green Curled and grows 15 to 20 inches in diameter. The leaves are very crisp, tufty and full in every stage of growth. The mid-rib is pure white, very heavy, thick, fleshy and tender. It is equally suitable for Spring, Summer or Autumn planting, being extremely hardy. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

## Mammoth Green Bordeaux Curled

Very large, valuable new sort, attaining a diameter of 22 inches. Leaves beautifully curled, tender, of an attractive green color and blanches easily. The center is very close and full. Excellent late variety. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.



Mammoth Green Bordeaux Curled Endive



## KALE, OR BORECOLE

**Culture.**—Plant in early Spring for early crop; for late crop plant in August or September, in rows 2½ feet apart, and thin to 5 to 10 inches apart in rows according to variety planted. One ounce of seed to 300 feet of row, 4 pounds per acre.

**Early Blue Curled, Dwarf Siberian.** A beautiful curled and crimped sort, of strong, vigorous habit, perfectly hardy, dark green color, and very attractive appearance. Superior to all other sorts and will stand longer without shooting to seed than any other. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 75c.

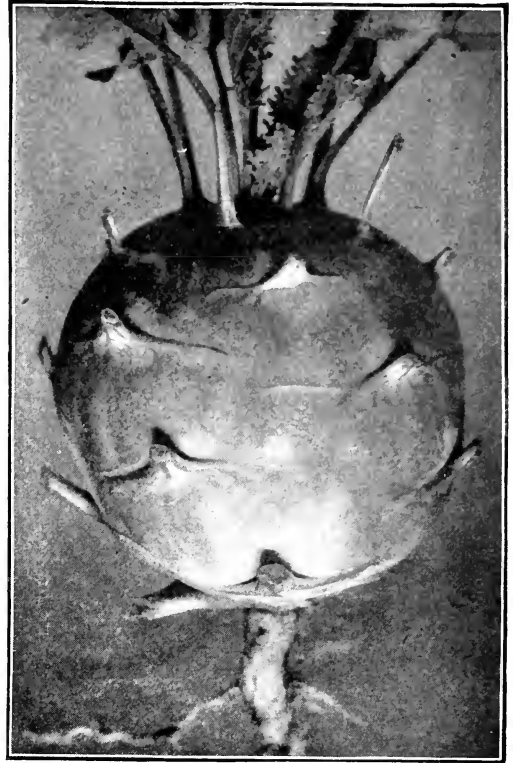
### Norfolk Dwarf Green Curled Scotch

This is one of the best Kales for Spring sowing in the North, and is the principal sort grown in the South for Northern markets. It is hardy and will remain over Winter in any place where the temperature does not go below zero. The habit is very dwarf and spreading, and will rarely exceed 18 inches in height. The leaves are of a bright green color, beautifully curled and produced in great abundance. Pkt. 5c., oz. 15c., ¼ lb. 35c., lb. \$1.00.

## KOHL-RABI

**Culture.**—Sow seed in light, rich soil, early in the Spring, in drills 16 inches apart, and when well grown thin out to 8 to 10 inches apart in the rows. For Fall use plant latter part of July. One ounce of seed to 200 feet of drill.

**New Smooth White Short-Leaved.** Owing to the increasing demand for this popular European vegetable, many gardeners have added it to their crops. After several years' comparative tests we find this new sort decidedly the best for market and table use, being much superior to Vienna. It is very early and best for forcing,

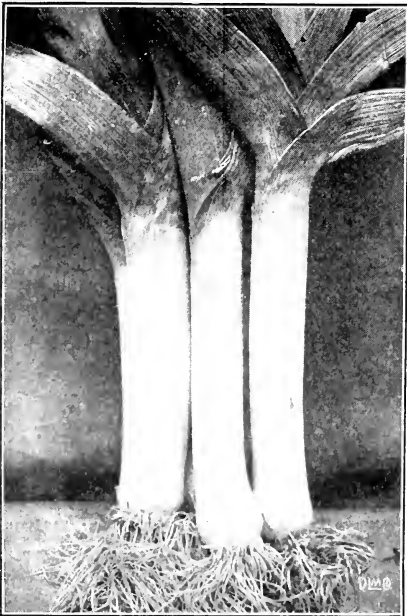


New Smooth White Short-Leaved Kohl-Rabi

as well as for outside growth. Bulb is greenish white, good shape, smooth and of the very finest texture and quality. Pkt. 5c., oz. 25c., ¼ lb. 60c., lb. \$2.25.

**Early White Vienna.** Large, quick growing; greenish white skin and tender white flesh. Pkt. 5c., oz. 30c., ¼ lb. 75c., lb. \$2.25.

**Early Purple Vienna.** The outside color is purple; flesh white and delicate. Pkt. 5c., oz. 25c., ¼ lb. 60c., lb. \$2.25.



New Giant Italian Leek

## LEEK

**Culture.**—Sow seed about same time as Onion. When plants are 2 to 3 inches high transplant into beds in rows 2 to 3 feet apart, plants 4 to 5 inches apart. One ounce of seed to 100 feet of row, 4 pounds per acre.

**New Giant Italian Winter** This is by far the best variety. It grows long and thick, and is unusually fine grained, tender and hardy. The foliage is of a dark, glossy green, keeps well and will yield double the quantity per acre of any other sort. Pkt. 5c., oz. 20c., ¼ lb. 75c., lb. \$2.00.

**Improved American Flag.** Selected stock. A good variety with light green leaves. It is not as thick as Giant Italian, but grows taller. Pkt. 5c., oz. 20c., ¼ lb. 75c., lb. \$2.00.

**Musselburgh, or Scotch Champion.** A large growing flat-leaved variety, immense stems 6 to 8 inches long. Pkt. 5c., oz. 20c., ¼ lb. 75c., lb. \$2.00.

# LETTUCE

**Culture.**—For general use sow in hotbeds in March. When about 3 inches high transplant into boxes to harden off, then plant in rows, allowing from 6 inches to 1 foot between plants, according to variety planted. For Winter use sow under glass from October to February and thin out to allow plenty of room between plants. Keep moderately warm, give light and air. One ounce of seed will produce from 2000 to 2500 plants.

## HEADING VARIETIES

**Big Boston** Probably better known and more largely planted than any other variety. The market gardener's favorite. Heads of good size, just right for the market gardener. Very solid with broad leaves; the best for outdoor or for forcing. Color light green, very attractive. We have made a specialty of this variety and have a stock of this most desirable and popular Lettuce that cannot be surpassed. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**California Cream Butter.** Forms large solid heads, leaves marked with reddish brown. The quality of this Lettuce is hard to beat. A great favorite in many sections. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**California Giant White** For Spring or Fall use. Makes heads large, compact, crisp and white. A very desirable sort for market gardeners. Every plant heads, and the heads are uniformly shaped. Very large and thick through, and of a solidity equal to that of a Cabbage. They measure about 7 inches across the solid head. The leaves are slightly crumpled, of a beautiful white color. It has an attractive appearance, is the best for growing in sash, and excellent as an outdoor Autumn or early Spring crop. The best variety for Southern growers. Unsurpassed for growing in low temperatures. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

**Deacon.** Largely used for coldframes. Heads solid, rich and good quality; light green color. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Hanson.** A favorite variety for the family garden. Is very sweet, tender and crisp, has few outer leaves, very slow to run to seed. We recommend this variety to the private planter as one of the most desirable sorts. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

We Make  
Lettuce a Specialty

Try Noll's Champion  
Of All

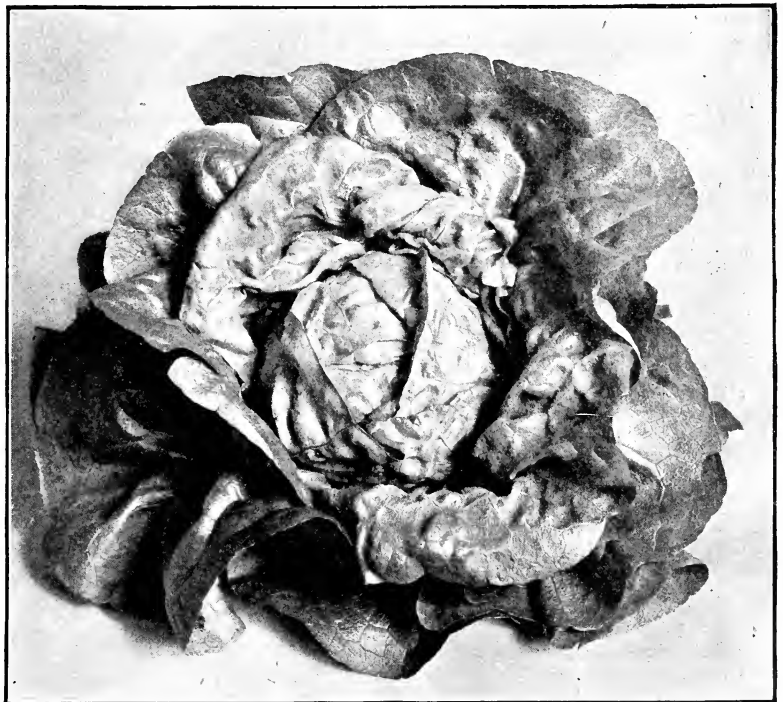
See page 22

**King of the Garden** Produces enormous heads on soil not too rich. This variety is indeed worthy of its name and we believe it is the finest we can offer our market gardeners and friends for early Spring or Fall planting. The leaves are smooth and of a beautiful light green color, which makes it a ready seller. It is the largest hard-heading variety we know of and we cannot recommend it too highly. Will give the best results in the Spring when sown in the sash and planted out. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

**Mammoth Black-Seeded Butter.** Produces enormous heads but very crisp and tender. A good sort for Spring or Fall planting. Our orders for this variety are increasing each year. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Mammoth Salamander.** Very popular for Summer use. It grows a large head and is very slow to run to seed. It is very tender and crisp, very nearly white in the heart. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**May King.** This early, hard-heading sort is considered by many to be the very best of the earlys. It forms a compact head, light green in color, of superior quality. It is also recommended as a forcing variety, having proved itself adapted for indoor as well as outdoor culture. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.



Big Boston Lettuce





Noll's Champion of All Lettuce

## LETTUCE—Continued

**Noll's Champion Of All** This variety is very popular today on account of its many good qualities. Admirable for Spring and Fall planting. Produces large, very solid heads, of a fine light green color. A very good shipper. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Philadelphia Dutch Speckled Butter.** We have a strain of this old Philadelphia favorite which is unequalled. This Lettuce is largely planted in coldframes and many gardeners and truckers claim it is the best of all for this purpose. Forms large solid heads, sweet and tender; outer leaves are dotted with brown. We cannot recommend this sort too highly. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$2.75.

**St. Louis Market.** We have been breeding up for several years a strain of this very popular Western variety, and now offer what we consider

the very finest type of St. Louis Market Lettuce. It forms a fine large head, crisp and tender, very slow to run to seed. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Noll's Twentieth Century** This variety is one of the best sorts for Summer use, as its tendencies for resisting heat and drought make it well adapted for this purpose. It is larger than Salamander, stands more heat and is a finer color. Is sure to please every market gardener and is a fine variety for the home garden as well. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

**Yellow-Seeded Butter.** A distinct yellow-headed sort, of good quality and fine appearance. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

## LOOSE-LEAF VARIETIES

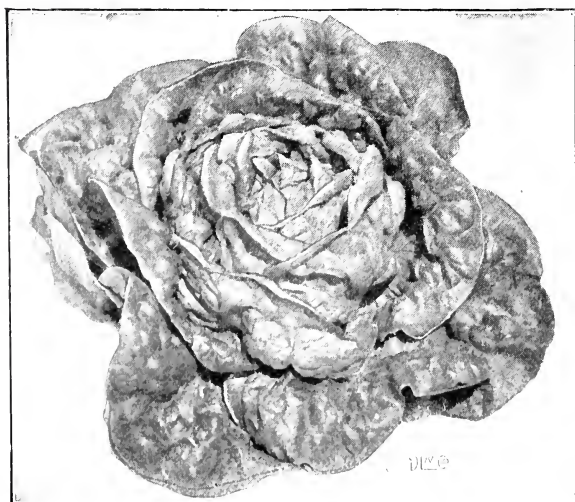
**Black-Seeded Simpson.** A large, loose-leaf variety; one of the oldest and best of this class. Remains a long time fit for use. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Early Curled Simpson.** Very early, largely used for coldframes; does not form a solid head. Popular in the New York markets. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Grand Rapids.** The popular greenhouse forcing Lettuce. This loose-leaf variety is used very extensively as a forcing sort, and we doubt if a better one can be had. It stands up well, forms a large cluster of loose leaves, bright green in color, slightly crinkled. We know of no loose Lettuce that will stand shipping and arrive in as good condition as this popular sort. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

## COS, or ROMAINE

**Trianon Self-Closing.** Cos Lettuce are becoming more popular in this country every year. Leaves long and narrow, very crisp and tender; flavor most delicious. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.



Noll's Twentieth Century Lettuce



# MUSKMELON, or CANTALOUPE

**Culture.**—Plant seed in hills 5 to 6 feet apart each way, 8 to 10 seeds per hill, after danger from frost is past. After plants are well up thin to 4 to the hill; keep them well cultivated until the runners are so long they cannot be hoed or cultivated. The quality of Muskmelons is affected very much by weather conditions. Melon vines are subject to attack from the striped beetle; frequent dusting with air-slacked lime, wood ashes or soot, diluted with fine soil, will act as a good exterminator; be careful not to use until mixed with soil.

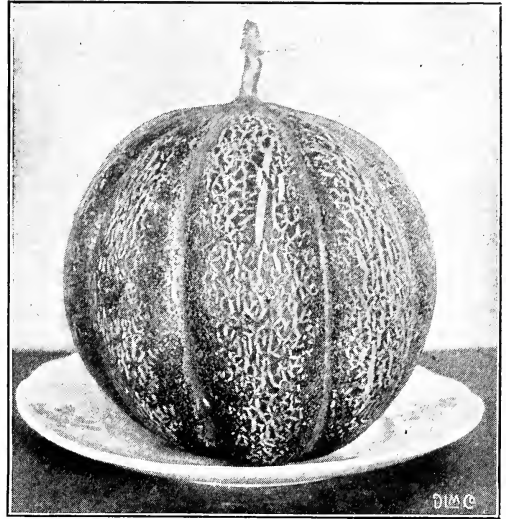
**Baltimore, or Acme.** One of the good green-fleshed sorts. Fruit is of medium size, oval, slightly pointed at stem end. It is quite early, deeply netted, a good shipper, excellent eating. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Burrell's Gem.** Originated in Rocky Ford, Colorado, the home of the celebrated Rocky Ford Melons. This is very similar to Rocky Ford, excepting it has a yellow or salmon-colored flesh instead of the green flesh. It grows to a very desirable size, is closely netted, slightly ribbed, with a dark green skin. The flavor is all that can be desired; very rich, sweet and tender. This Melon is an excellent shipper and one of the best yellow-fleshed varieties. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.00.

**Emerald Gem** A very popular yellow or orange-fleshed Melon. A medium-sized Melon, slightly flattened at the ends, very lightly netted and ribbed. Skin a dark green; flesh salmon-yellow, of very fine quality. In the South and West this is the most popular of all the yellow-fleshed sorts. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Extra Early Hackensack.** A distinct improvement on the old Hackensack or Turk's Cap. It is much earlier, fruit smaller and nearly round, flesh green, sweet and juicy. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Hackensack, or Turk's Cap.** A large-fruited sort, with deep ribs, green flesh; a very old but still popular sort in many Melon districts. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

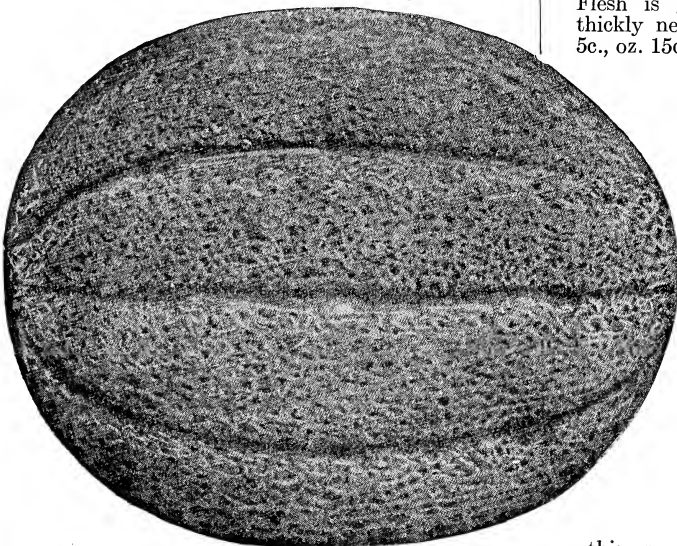


Emerald Gem Muskmelon

**Jenny Lind.** A small but very delicious Melon. Fruit flattened, slightly ribbed and extremely early; in fact, the earliest of all the Muskmelons. This old but still popular variety is largely planted in New Jersey for the Philadelphia and New York markets, and is always the first to be had. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Long Island Beauty.** A Melon of the Hackensack type; one of the earliest of the large Melons. Flesh is green, of good quality. It is very thickly netted and a very good shipper. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Maryland** Considered by our customers far superior to the very best strains of Rocky Ford. Earlier and more productive. It is 10 days earlier than the Rocky Ford, twice as productive and larger in size. The vines are of a strong, healthy growth, branch freely, setting a large number of fruits close to the hill. The Melons are fine and regular in size and form, nearly round or slightly oval, and very closely netted. The skin is of a light golden hue when fully ripened. Flesh bright green, luscious in flavor, and ripens close to the skin. Customers who are fortunate enough to get some of this seed and who have been raising Rocky Ford Melons will not grow them again after once planting this new strain. The stock is limited Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.



Maryland Muskmelon

## MUSKMELONS—Continued

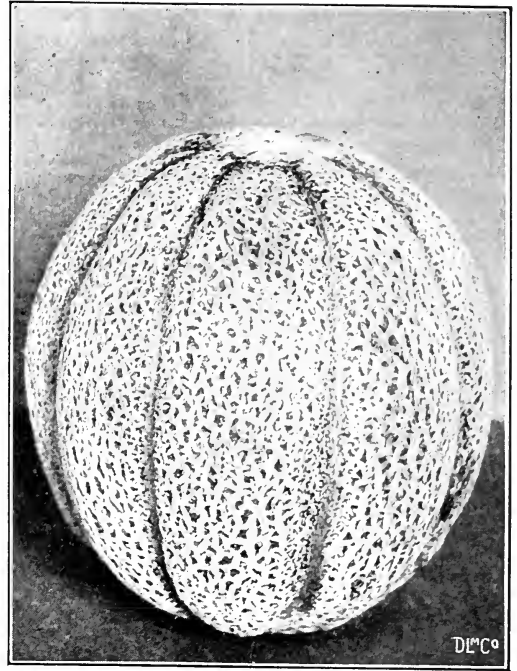
**Noll's Golden Jersey** The ideal yellow-fleshed Rocky Ford or Netted Gem. We are confident that as soon as this Melon is better known it will take the place of all other orange-fleshed Melons, for the following reasons: Its splendid eating qualities, very thick flesh, small seed cavity, beautiful appearance in crate or basket or when on the table, and its prolificness. It is finely netted, a good shipper (can be shipped long distances, arriving in perfect condition), shaped like the Netted Gem or Rocky Ford. We recommend this variety as the best of all yellow-fleshed Melons. We want all Melon growers to give this variety a trial, as we feel very sure it is the very best of all the yellow-fleshed Melons on the market. Pkt. 15c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$3.50.

**Norfolk Button.** A sport from Jenny Lind. Very early, sweet and tender. It is popular on account of its superior qualities, its earliness, prolificness and good shipping properties. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Osage, or Miller's Cream.** Another yellow-fleshed sort, very good as a later Melon. It has a very small seed cavity, flesh is very thick and of good quality. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.75.

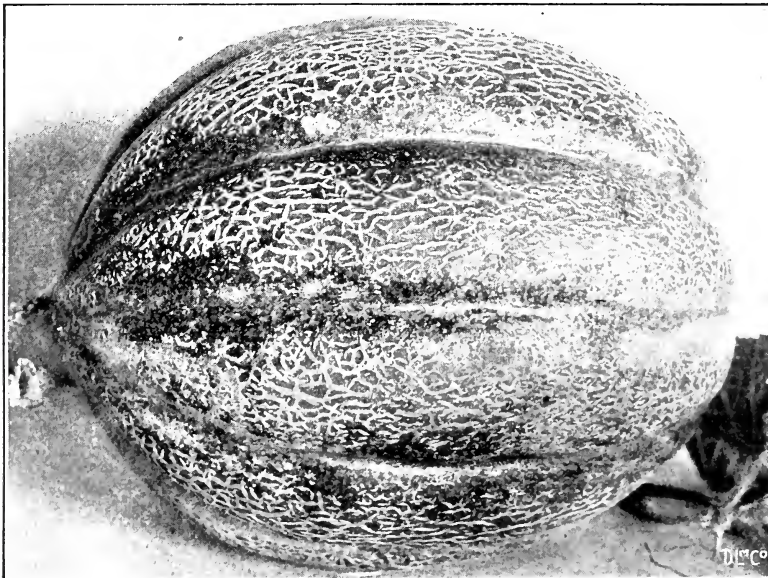
**Paul Rose, or Petoskey.** Salmon-fleshed; a cross between Netted Gem and Osage; nearly oval in shape. A good shipper and of good quality. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.75.

**Rocky Ford, or Netted Gem** The Melon that made Rocky Ford famous. The favorite green-fleshed shipping variety. Known well and favorably wherever Melons are grown; more largely planted and shipped in larger quantities than any other sort. Oval shape, covered entirely with fine netting, slightly ribbed. Flesh green, very thick, sweet and juicy. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.



Noll's Golden Jersey Muskmelon

**Scarlet Masterpiece.** Resembling Emerald Gem, except it is much larger. A very heavy cropper and excellent shipper. Yellow flesh, sweet, tender and juicy. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.75.

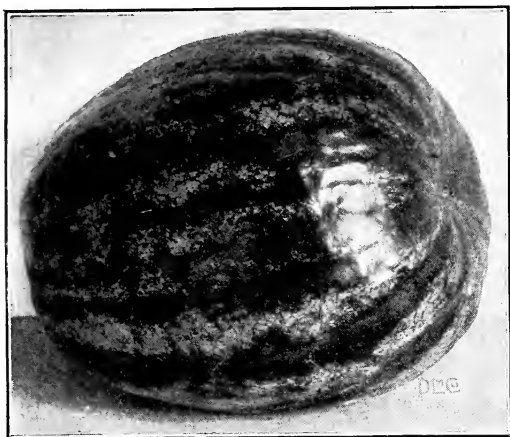


Rocky Ford Muskmelon



# WATERMELONS

**Culture.**—Plant in light, sandy soil, thoroughly enriched with well-rotted manure. Plant as soon as ground becomes thoroughly warm, in hills 8 feet apart each way, about 8 seeds per hill. When young plants attain their third or fourth leaf, thin out to 2 or 3 of the strongest in each hill. Keep well cultivated. Four ounces of seed to 100 hills, 4 pounds per acre.



**Cuban Queen Watermelon**

**Alabama Sweet.** One of the very longest Melons, popular in the South. Rind dark green, slightly striped; extensively grown for shipping to markets favoring long Melons. Flesh bright red, tender and crisp. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Black Boulder, or Black Diamond.** Dark green, very tough rind; grows to large size, but is always of good eating quality; a favorite in some local markets. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Cole's Early.** A medium-sized dark green early Melon; flesh bright red; very good quality. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Cuban Queen.** This is another old standby. Grows to very large size; has mottled rind; a very fine shipper, prolific and profitable. Flesh is bright red, of luscious, sugary flavor. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Dixie.** A popular shipping Melon. Has a very tough rind, mottled light and dark green. Has for years been grown in very large quantities in the South for shipment to the Northern markets. Quality good; flesh red; very firm. An excellent keeper. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Duke Jones.** Dark green with irregular lighter colored stripes; quite prolific, of good quality; dark red flesh. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Florida Favorite.** Of large size, with mottled light and dark green rind; oblong in shape; has a thin but very firm rind; is an excellent shipper. Flesh bright red,

juicy and very tender. This Melon is very popular with many of the large Melon growers. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Georgia Rattlesnake, or Gypsy.** A very old but still popular variety, on account of its sweet and very tender flesh. A favorite Southern Melon. Rind striped light and dark green. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Harris's Earliest** The earliest and largest of all the early Melons.

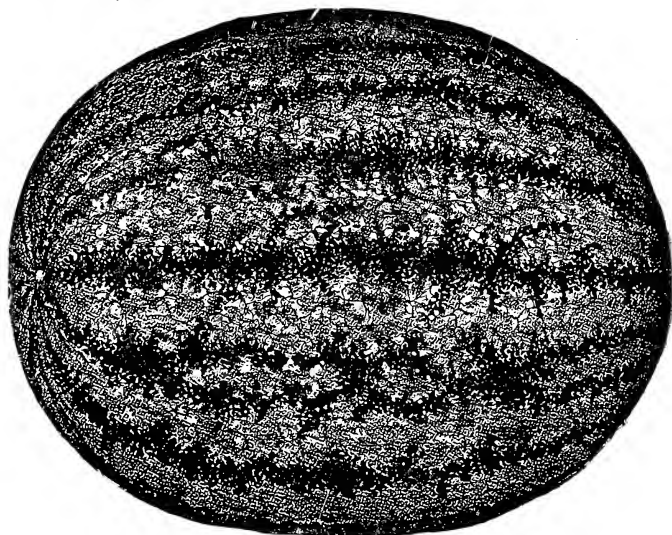
A very desirable variety for the North. We consider in this Melon we have the best of all early sorts. It is large, very sweet and tender, and one of the very best shippers we know of. Shape slightly oblong; skin is mottled green and white. We highly recommend this variety to our friends in the North, for it will ripen where other later sorts will not. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Ice Cream.** Fruit long, of medium size; very light colored rind; seed white; flesh bright red; quality fine. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Kleckley Sweets, or Monte Cristo**

Unequaled for the home patch or for nearby markets. Vine very productive; of the most luscious medium-sized oval Melons, with a dark green rind; flesh is bright red, sweet and tender. We do not recommend this variety for shipping, as the rind is so tender it is liable to crack. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.

**Kolb's Gem.** A large-sized Melon, grown for shipping purposes very extensively. Rind is very tough; flesh red, sweet and tender, although a little coarse. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.



**Harris's Earliest Watermelon**



## WATERMELON—Continued

**Mammoth Ironclad.** This very large mottled Melon is an old but still very popular sort. It has an exceedingly tough rind, and is therefore one of the very best shippers. The flesh is dark red, very firm but juicy and sweet. It is a fine keeper and Melons can be kept until late Fall in perfect condition. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

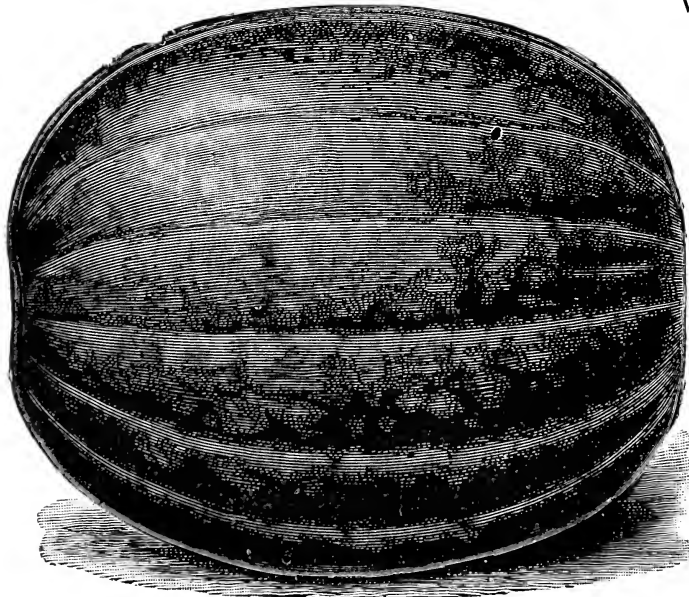
**Sweetheart.** A very popular shipping Melon, very productive, ripening very evenly. Fruit nearly oval in form, quite large, and very heavy. This Melon retains its good qualities longer than most others after ripening. Flesh red, firm and solid. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Tom Watson** This Melon is of recent introduction and it is claimed to be one of the best for shipping purposes. The Melons attain large size, often measuring 24 inches in length and weighing 50 pounds or more. The rind is thin but tough. The flesh is a rich red and of fine quality. Color of skin, dark, mottled green. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

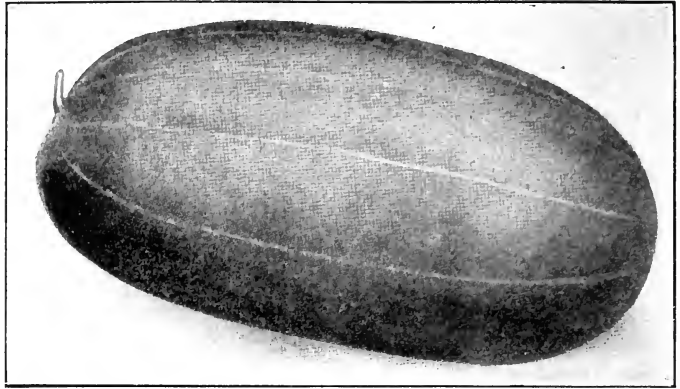
**Wonderful, or McIver Sugar Melon.** One of the very sweetest of all the Melons. Grows to a medium size, always of good shape; has mottled rind; flesh red; seeds white; is very tender fleshed; a most excellent sort for home or market. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.

### COLORADO PRESERVING CITRON

Planted only for preserving. Round striped fruit; flesh white and very solid; makes an excellent preserve. Can supply either red or green-seeded variety. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.



Sweetheart Watermelon



Kleckley Sweet Watermelon

## MUSTARD

**Culture.**—Sow very early in Spring, in drills 18 inches apart. Cover seed half inch deep. Continue sowing about every 2 or 3 weeks, until Fall. In the South Mustard is sown in the Fall and used early the following Spring for early greens.

**Southern Giant Curled.** A crimped or frilled variety; produces large leaves; makes a very fine salad; flavor is all that can be desired. Plant in Fall for early Spring salad. A popular variety. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Fordhook Fancy.** A beautiful variety, dark green in color. Foliage is very finely curled on edges. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**New Chinese.** Larger than most varieties. Very tender and delicious. Plants are very vigorous; leaves are large and crimped; one of the very best for salad. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**White, or English.** Large leaves, not so much crimped as other sorts; quite early. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

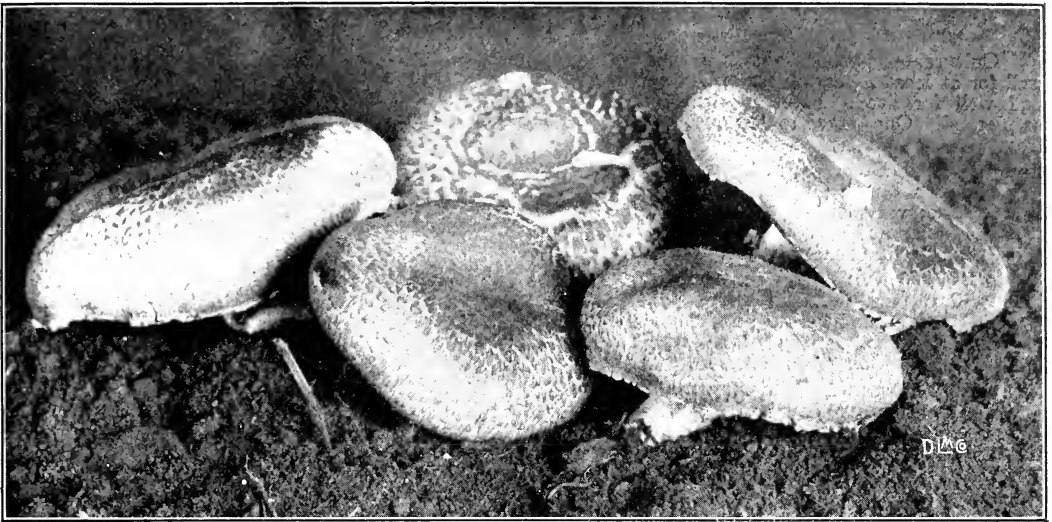
## NASTURTIUM

**Culture.**—Sow in drills about 1 inch deep, early in Spring. One ounce of seed to 25 feet of row. Used as a flower; seed pods make a nice pickle.

**Dwarf.** Needs no sticks. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

**Tall.** Should have sticks or trellis. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 80c.

Do not fail to try  
Noll's Superb Beet, Noll's  
Superior Extra Early Cauli-  
flower, Maryland Musk-  
melon and Noll's New  
Discovery Tomato



Mushrooms

## MUSHROOMS

Culture directions sent with the Spawn. Can be grown in the cellar, under greenhouse benches, etc. One pound will plant 8 square feet of bed.

**Pure Culture Brand.** Produced in America by a special process. Considered to be the very best by most of the large growers. Mushroom growing is very interesting, as well as very profitable. It can be supplied in bricks only, weighing from 1 lb. to  $1\frac{1}{4}$  lbs., 25c. per brick, 5 bricks \$1.00, 10 bricks \$1.75, 100 bricks \$16.00.

## OKRA, or GUMBO

**Culture.**—Plant in May, in hills about 3 feet apart, 4 or 5 seeds per hill. When well established, thin out to 2 plants. One ounce to 100 feet of drill, 8 pounds per acre.

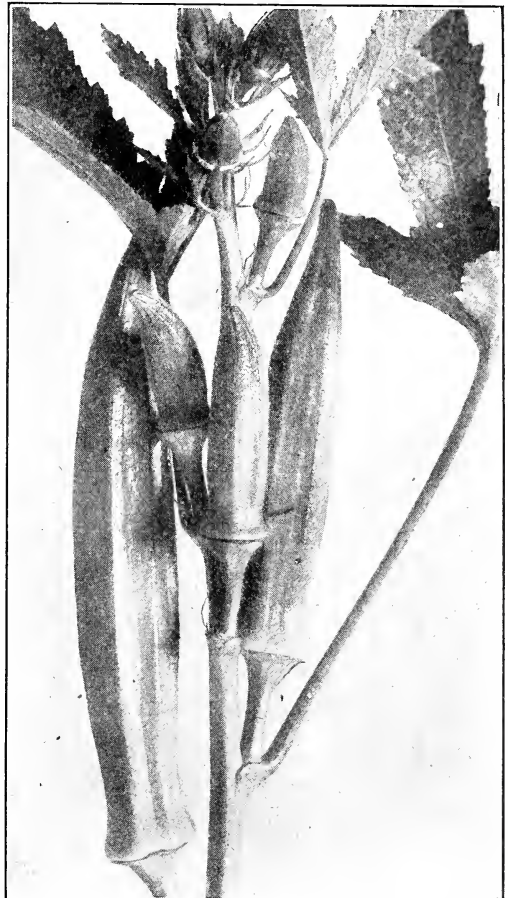
**Dwarf Prolific.** A dwarf but stocky type; long pods; very prolific. Pods are long, of a greenish white color; very thick and meaty. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Long Green.** Produces long, slender, green pods; very tender. Grows taller than the Dwarf Prolific; bears in great profusion. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

### Perkin's Mammoth Long-Podded

A very large-podded variety, popular with canners and for home use. Quality very fine; plants extremely productive, of long, slender pods, which remain tender a long time. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**White Velvet.** A medium height plant, which produces a great abundance of smooth, white pods, of very attractive appearance. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.



Perkin's Mammoth Long-Podded Okra



# ONIONS

**Culture.**—Onions delight in a rich loamy soil with a little clay, which should have been cultivated well for at least 2 years before planting the Onion. Have ground thoroughly cultivated, free from weeds and well fertilized. Plant in drills early in the Spring, about  $\frac{1}{2}$  inch deep, and well rolled as soon as planted. One ounce to 100 feet of drill, 4 to 5 pounds per acre for large Onions. For sets, use from 70 to 80 pounds per acre.

**Early White Bunch.** Used largely for pulling when young as a bunch Onion. If left to mature grows to good size; very showy. Pearly white skin. Flesh of good quality and a good keeper. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 85c., lb. \$2.50.

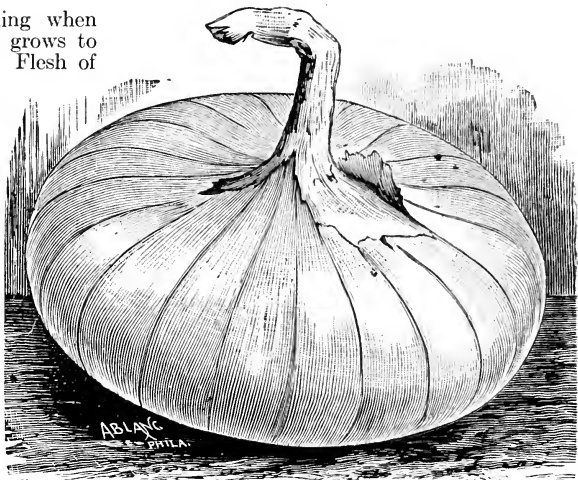
**Extra Early Red.** This is the earliest of all the red Onions. Flat in shape, has very small neck, a good keeper and of excellent quality. A good variety for the early crop. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Large Red Wethersfield.** A favorite red variety; produces enormous crops, and where a red Onion of a flattened shape is desired it cannot be equaled. It is a fine keeper, bulbs of good size and very attractive appearance. We have a fine strain of this very popular variety. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

## Mammoth Silver King, or Giant White Garganus

The largest flat white Onion grown. Enormous yielder, good quality. This Italian Onion is of very mild flavor, grows to 4 to 6 inches in diameter; a better keeper than most Italian sorts. Form is flattened, skin a silvery white. A very profitable variety to grow for the market. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Michigan, or Ohio Yellow Globe.** A large yielder of nearly globe-shaped Onions. Grows to a good size; color a rich orange-yellow; flesh white and crisp. A very popular variety in many



Mammoth Silver King Onion

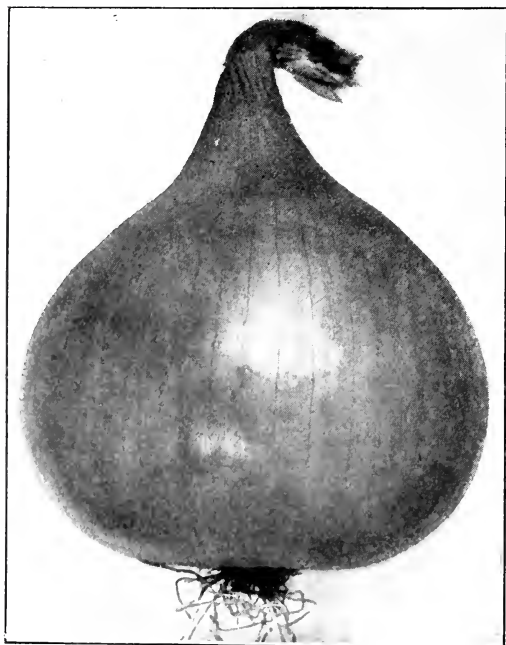
sections of the country. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Prizetaker** The largest of all yellow Onions; resembles the large Spanish varieties, flesh sweet, tender and mild. This is, no doubt, the handsomest yellow Onion on the market. Grows to weigh 1 pound or more from the seed. Shape is nearly a globe. It is a bright straw color, has a small neck and matures early. It cannot be surpassed for home or market. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Southport Red Globe** All of the Southport strains of Onion are very popular on account of their perfect globe shape, uniformity, productiveness and good keeping qualities. The Red Globe is of good size, has very small neck, fine deep red color; flesh is firm, white, mild and tender. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.75.

**Southport Yellow Globe** Similar to the Southport Red except in color of skin, which is a rich clear yellow. The quality is very fine and it is a very good keeper. Grows a large bulb with short neck. The flesh is white, firm and mild. This sort is grown in almost every section of the country and always gives satisfaction. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.75.

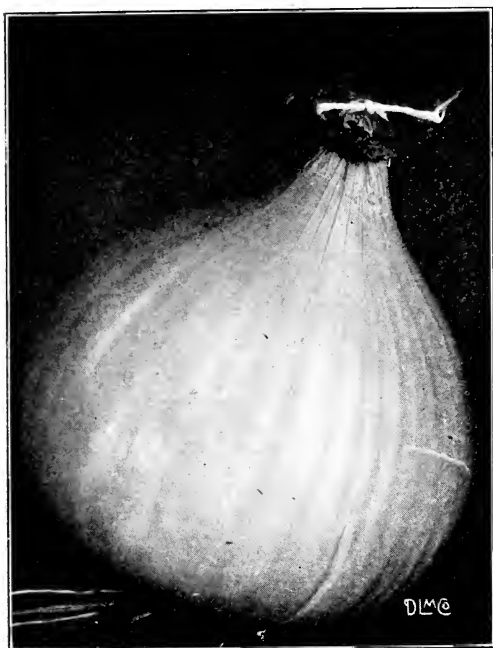
**Southport White Globe** This variety is the most popular grown today. Same shape as the Southport Red, or Yellow Globe. Skin a silvery white, quality of flesh unsurpassed. Heavy cropper and good keeper. Our stock of this variety is grown by an expert Onion grower and can be depended on. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.



Prizetaker Onion



## ONIONS—Continued



Southport White Globe Onion

**White Barletta.** A very early variety, used largely for pickling. The bulbs usually measure 1 to 2 inches in diameter; color is a pure pearly white. Keeps well. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**White Portugal, or Silver Skin.** This is the popular sort for growing Onion sets and is more in demand than any other variety for this purpose. The large Onions are flattened in shape, of a waxy white color; one of the best keepers; also very desirable as an early bunch Onion. We have a very fine and selected strain of this desirable Onion. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**White Queen.** Another popular pickling sort. Skin white, flavor mild, matures extra early and keeps well. Bulbs about 1 inch in diameter. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Yellow Dutch, or Strasburg.** For sets, this variety cannot be surpassed. It is also popular as a market variety where

a flat Onion is desired. It is a good cropper, excellent keeper and of good quality. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Yellow Globe Danvers.** A decided improvement on the ordinary strains of the famous Onion. This variety is probably more largely known in all sections of the country than any other sort. It grows Onions of nearly globe shape, slightly flattened, has very small neck, a heavy yielder, of good keeping qualities; an Onion to be depended on in all climates. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

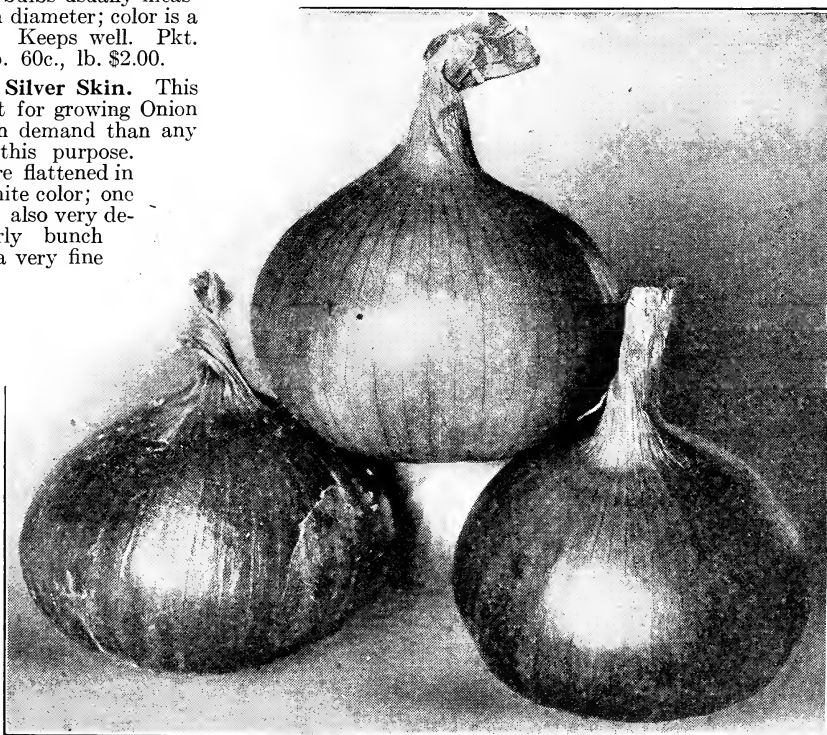
**Round Yellow Danvers** This variety is similar to Yellow Globe Danvers, excepting it is a little more flattened. It is a good cropper; skin a good bright straw color. It is a favorite variety in many sections for planting for sets. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

## ONION SETS

One quart to 50 feet of row, 8 to 10 bushels per acre, according to size of sets.

	By mail, postpaid	Quart	5-quarts	Bus. of 32 lbs. by express or freight, not prepaid,
Red.....	\$0.30	\$1.25	\$4.50	
White.....	.30	1.25	4.50	
Yellow.....	.30	1.25	4.50	

Refer to second page of cover for list of Vegetable Seeds that can be sown in each month from February to September.



Yellow Globe Danvers Onion

# PARSLEY

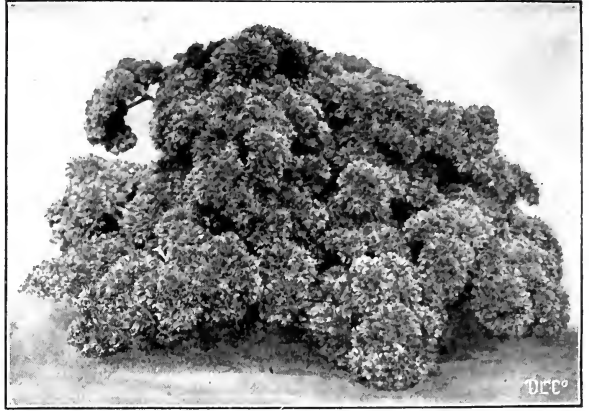
**Culture.**—Seed of Parsley will sometimes remain in the ground 3 to 6 weeks before germinating; so should be sown very early in the Spring. Plant in rows 1 to 2 feet apart; when well up thin to 8 to 10 inches apart in the rows. Frequent cutting improves the growth and quality. One ounce to 150 feet of drill, 3 to 4 pounds per acre.

**Champion Moss Curled.** After our selected double curled, this is the best. Grows to good size, dark color, densely curled; a very popular variety. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.

**Hamburg, or Turnip Rooted.** The roots of this variety are used largely for flavoring purposes; resemble small Parsnips. Flesh white and of fine flavor. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.25.

**Italian.** A root variety, largely planted by the Italian gardeners around New York. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.25.

**Noll's Selected Extra Double Curled** A superb extra curled sort. The best for all purposes, home or market. This strain is of free growth, beautifully curled, and is, we think, as near perfection as can be obtained. The leaves are very dark green, very large, suitable for open ground or for frame culture. Withstands heat and drought better than any other. It is enormously prolific, a sure money-maker for the market gardener. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

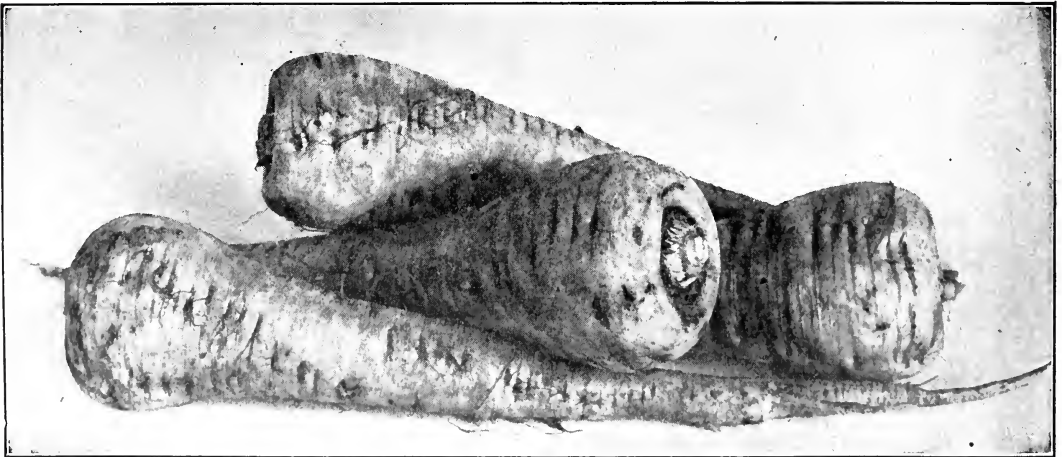


Noll's Selected Extra Double Curled Parsley

# PARSNIP

**Culture.**—Sow seed early in Spring, in rows 2 to 3 feet apart, in deep, rich, light soil; cover about  $\frac{3}{4}$  inch deep and press soil firmly. Seed is often slow to germinate. When plants are well up, thin out 4 to 6 inches apart in the rows. One ounce of seed to 100 feet of drill; 4 to 5 pounds per acre.

**Noll's Ideal Hollow Crown Parsnip** Perfect in shape and fine in quality. We offer the most perfect type of this very choice sort. Roots grow to a good marketable size, of good diameter at top, tapering to the end. They are smooth and clean, of the very finest quality. The best for all purposes. An excellent keeper. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. 90c.



Noll's Ideal Hollow Crown Parsnip

## ALWAYS SOW NOLL'S PERFECT LAWN GRASS SEED MIXTURE

There is no better mixture compounded. Grows a very tough turf in 6 to 8 weeks from sowing.

**Noll's Shady Place Mixture for shady spots**



# PEPPER

Culture.—Plant about same as Egg-Plant. Set plants  $1\frac{1}{2}$  to 2 feet apart, in rows 2 to 3 feet apart. They delight in a well enriched soil. One ounce of seed will produce 1200 to 1500 plants.

## Chinese Giant

The largest of all. Very mild and delicious. This is the largest of all the Peppers. Plants set 3 to 4 very large fruits quite early, and continue setting until frost. In appearance fruit is thick and chunky; flesh is very sweet and tender. If you want a large and attractive Pepper this is the one to plant. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.60, lb. \$4.75.

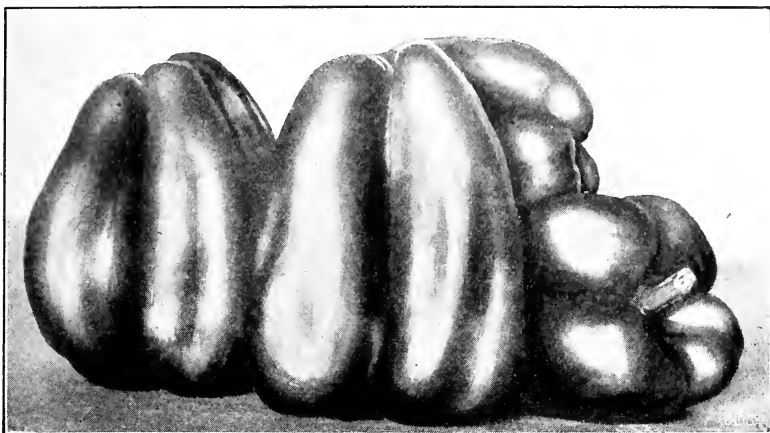
## Giant Crimson

The earliest of the large Peppers; of good shape and mild flavor. Another of recent introduction.

Claimed by the introducer to outyield the famous Chinese Giant, which it resembles in shape; more uniform in size and fully as large. Flesh is thick and sweet. We have seed grown from the introducer's stock. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50, lb. \$5.00.

**Golden Dawn.** Plants of dwarf, compact habit; quite prolific; the best of the yellow varieties. Color a rich golden; flesh thick and mild; matures very early. Pkt. 5c., oz. 30c.,  $\frac{1}{4}$  lb. 90c., lb. \$2.75.

**Large Bell, or Bull Nose.** This is the old and well-known sort, still as popular as ever, notwithstanding the varieties of more recent introduction. Very productive, fruit of good size, fine quality and appearance. Many gardeners cannot be induced to plant any other variety. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.



Ruby King Pepper

**Long Red Cayenne.** Long, red, slender, twisted pods, bright red in color; very fiery flavor. Used largely for bunching with pot-herbs. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 80c., lb. \$2.50.

**Neapolitan.** A money-maker on account of its earliness. The earliest of all Peppers. A great favorite with the large Pepper growers in South Jersey, who ship this sort in carloads to the New York and Philadelphia markets. It is the first in market and brings top prices. It is of good size, mild flavor; flesh thick and plants very productive. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$3.50.

**New Upright** A sweet and thick-fleshed variety of medium size. The fruits are borne upright on the plants, hence its name. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.50.

**Red Chili.** Used largely in the manufacture of pepper sauce. Pods are small, very hot. Plant very prolific. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Ruby Giant.** This is a longer Pepper than the Chinese Giant. Said to be a cross between Chinese Giant and Ruby King. An excellent sort for stuffing; very desirable for market. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$3.50.

**Ruby King.** Probably the best known of the large longer types. It is very productive; flesh is free from fire, always sweet and tender. It will outyield any other large variety. Makes a handsome appearance in the basket or on the market stall. We have this strain grown near Newark, and consider it unsurpassed. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Sweet Mountain.** Similar to Bell, or Bull Nose, and claimed by many to be the same thing. We have, however, had this variety grown for us under this name, from selected stock, and can see but little difference. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 80c., lb. \$2.50.



Chinese Giant Pepper

Our Pepper Seeds, all varieties, are produced in New Jersey by experienced growers and will give the best satisfaction. Try them.



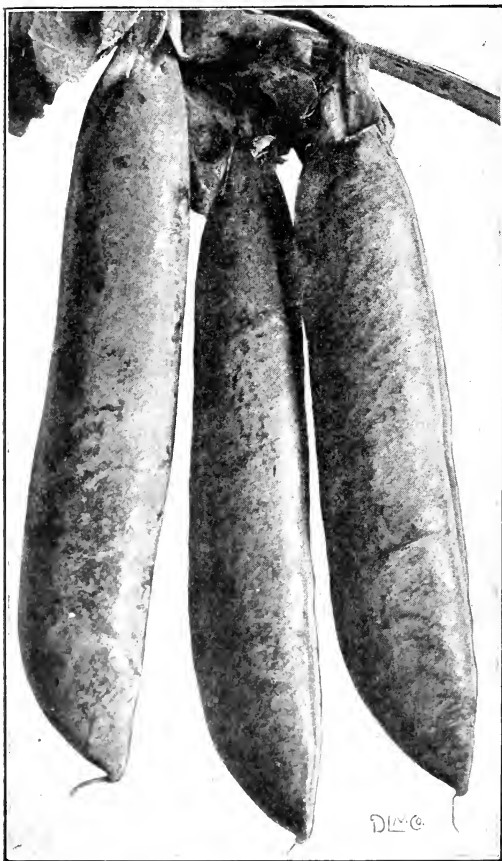
# PEAS

**Culture.**—Plant early, smooth varieties as soon as frost is out of ground; follow with the early wrinkled sorts in a week or 10 days and make successive plantings every 10 days until middle of August. Plant 2 to 3 inches deep, in rows 12 to 15 inches apart, if cultivated by hand; if by horse power rows should be 2 feet apart. Plants should be from 8 to 10 to the foot, according to the variety. Dwarf varieties require no sticks, tall varieties do better staked. Use 1 pint to 75 feet of drill, 3 bushels per acre.

**Advancer.** An early variety, growing about 2½ feet; pods good size, well filled; peas of very good quality. An old favorite with many gardeners. Pkt. 10c., pt. 20c. qt. 35c., pk. \$2.25, bus. \$8.00.

**Alaska, or Earliest of All.** This is probably the earliest of all Peas. Vines grow 2 to 2½ feet high, contain 6 to 7 pods well filled with medium-sized green peas, quality good. Matures very evenly. A very desirable first-in-market Pea. Also a great favorite with canners. Pkt. 10c., pt. 25c., qt. 40c., pk. \$3.00, bus. \$8.50.

**Ameer, or Long Pod Alaska.** A large-podded variety of the Alaska type; the seed is blue, same as Alaska; the pods are much larger, and it is only a day or two later in maturing. Vines are very prolific; pods are well filled with peas averaging almost double the size of Alaska. Pkt. 10c., pt. 25c., qt. 40c., pk. \$3.00, bus. \$9.00.



Gradus, or Prosperity Pea



Alaska, or Earliest of All Pea

**American Wonder.** The earliest of the very dwarf wrinkled Peas. Vines only about 1 foot in height; pods of good size, containing 5 to 8 large peas. Quality is of the very finest. A great favorite for the family garden. Pkt. 10c., pt. 25c., qt. 40c., pk. \$2.50, bus. \$9.00.

**Gradus, or Prosperity** The earliest of all the wrinkled Peas.

Produces large green pods 4 to 6 inches long. This wrinkled variety can be planted as early as the extra early smooth Peas; is very hardy; grows a vine 18 to 30 inches high; requires no sticks or brush, stands up well. It is very prolific, produces pods 4 to 6 inches long filled with large sugary peas. One of the most popular of all Peas, whether for home use or for the market garden. Pkt. 10c., pt. 35c., qt. 60c., pk. \$4.00, bus. \$12.00.

**Noll's Grand Monarch** A popular variety for home or market. An extra early Pea, which produces large, well-filled pods of luscious peas. Vines 2½ to 3 feet in height. Pods as large as the Telephone, containing 6 to 10 peas of large size. Owing to its hardiness can be planted earlier than any of the large-podded varieties. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.00, bus. \$10.00.

If Peas are ordered by mail or express prepaid, add 10c. per pint, 15c. per quart, for charges

**PEAS—Continued**

**Nott's Excelsior.** One of the best dwarf wrinkled extra earlies. Vines grow 1 foot in height, but are filled with pods of good size, containing peas of the most luscious quality. A great favorite with market gardeners. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.00, bus. \$9.00.

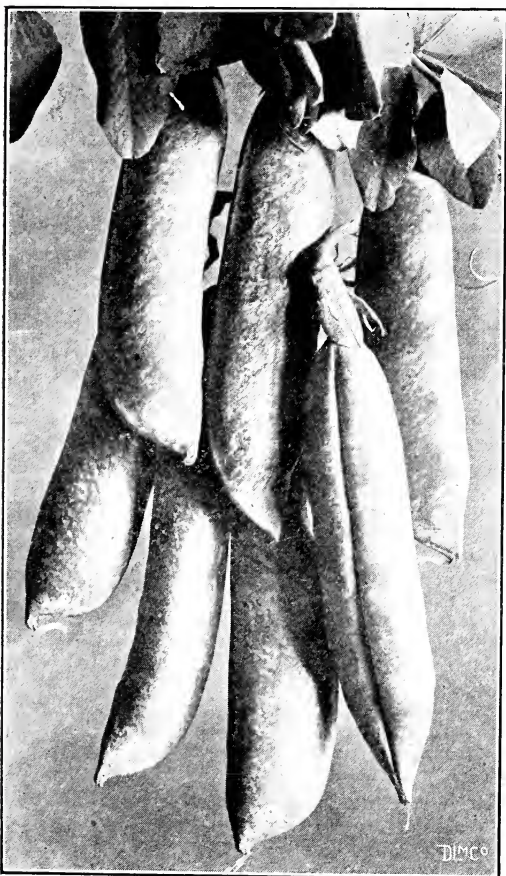
**Prolific Early Market.** An extra early smooth Pea, which for prolificness is a leader. Plants are literally loaded with good-sized, well-filled pods. A very desirable variety, for the market gardener can pick more peas per yard from this sort than any other. Extra early. About 3 to 4 days later than Selected Extra Early. Pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00, bus. \$7.00.

**Selected Extra Early.** This is a strain of extra early that we consider unequaled. It withstands greater change of weather in the early Spring than any other sort. Produces pods deep green in color, well filled with good-sized peas. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00, bus. \$7.00.

**Sutton's Excelsior** A Pea of recent introduction but very popular on account of its large, well-filled pods. This is a dwarf variety which comes into bearing very early. Vines grow about 14 inches high, are very prolific; pods are long, straight and of pale green color. Peas are sweet and tender. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.00, bus. \$10.00.



Sutton's Excelsior Pea



Thomas Laxton Pea

**Thomas Laxton** Another early wrinkled variety. Vines 3 to 3½ feet high, very hardy and extremely productive. Pods are filled to ends with peas of the most tender and sugary flavor. This variety is fast becoming a great favorite in all sections, whether for home or market use. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.00, bus. \$10.00.

**MEDIUM EARLY SORTS****Carter's Daisy, or Dwarf Telephone**

A medium early dwarf sort. Vines about 18 inches in height, very vigorous and quite prolific; pods of good size, containing 6 to 9 large peas. Very tender and sweet. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.00, bus. \$10.00.

**Heroine.** A medium early sort which produces large and very showy pods; an immense cropper; peas of excellent quality; a fine variety for the home garden. Pkt. 10c., pt. 25c., qt. 40c., pk. \$2.25, bus. \$8.00.

If Peas are ordered by mail or express prepaid, add 10c. per pint, 15c. per quart, for charges



**PEAS—Continued**

**Shropshire Hero.** Very prolific; pods large and well filled; height about 2½ feet. A second early of great merit. One of the old standbys with a great many growers. Pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00, bus. \$7.00.

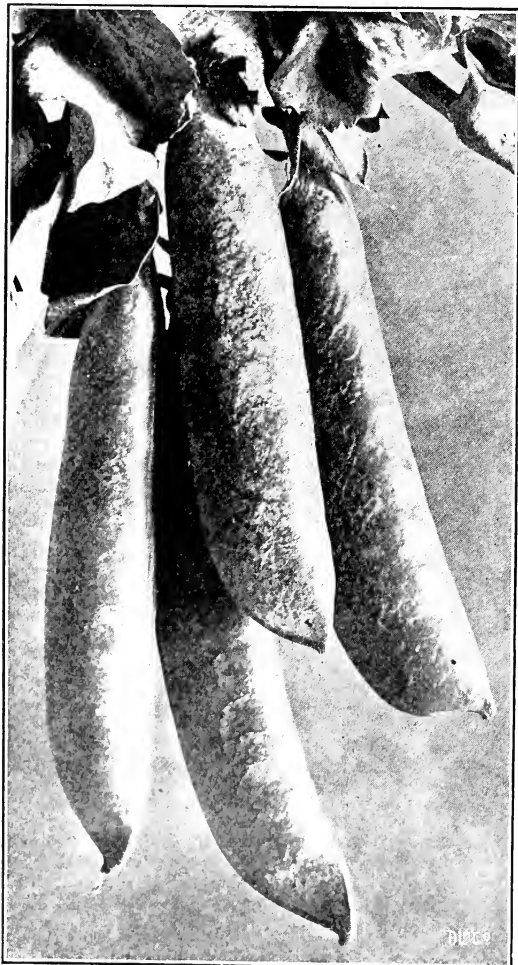
**LATE, or MAIN CROP SORTS**

**Champion of England.** An old but still very popular late variety. Vines about 4 feet in height, very productive, pods large, peas very sweet and tender. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.50, bus. \$9.00.

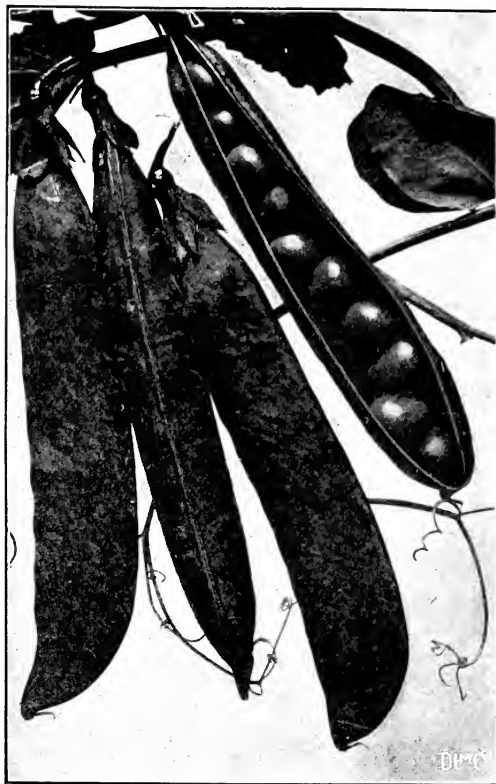
**Duke of Albany** Similar to Telephone, except pods are of a darker green shade. Vine about 5 feet in height; very strong grower, producing large pods in great profusion. A standard main crop Pea. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.00, bus. \$10.00.

**Juno.** This is a very desirable sort, as the quality is extra fine. Pods are large, well filled with large peas. Pkt. 10c., pt. 20c., qt. 30c., pk. \$2.25, bus. \$8.00.

Quite a few varieties of Peas are again poor crop. Order early.



Telephone e Pea



Telegraph, or Long Island Mammoth Pea

**Large Black-Eye Marrowfat.** Grows about 5 feet high, a good bearer, pods large, very hardy and productive. Large white seed with black eye. A fine late sort. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50, bus. \$5.00.

**Large White Marrowfat.** Same as Black-Eye, except seed is white. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50, bus. \$5.00.

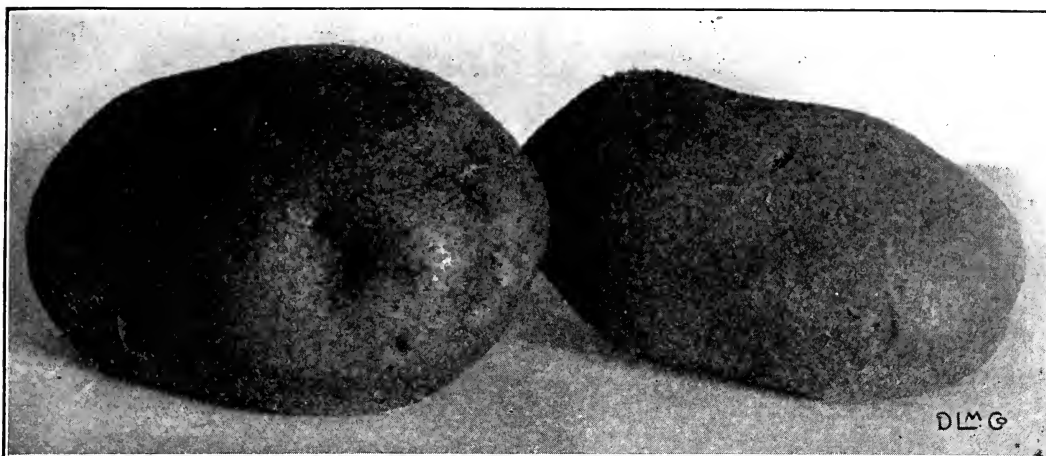
**Melting Sugar.** This is an edible-podded Pea. They are used in the same manner as String Beans. Pods are very large, stringless, very sweet and tender. Vines grow 4 to 5 feet high and are very prolific. Pkt. 10c., pt. 35c., qt. 65c., postpaid.

**Telegraph, or Long Island Mammoth**

A good main crop variety, producing strong growing vines with very large dark green pods. Does well under unfavorable conditions. Grows 4 to 5 feet in height. A great favorite with many market gardeners for their main or late crop. Pkt. 10c., pt. 25c., qt. 40c., pk. \$3.00, bus. \$9.00.

**Telephone** One of the most popular varieties for main and late crop, on account of its many good qualities; fine appearance, large pods, and most excellent flavor; a good shipper. Vines about 4 to 5 feet, very sturdy and vigorous. This Pea is considered by many private and market gardeners to be the best of all. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.00, bus. \$10.00.

If Peas are ordered by mail or express prepaid, add 10c. per pint, 15c. per quart, for charges



Green Mountain Potato

## POTATOES

**Culture.**—Potatoes are planted early and late. Cut 2 to 3 eyes to a piece. Plant in rows or hills about 3 feet apart and about 15 to 18 inches apart in the hills or rows. Cultivate thoroughly. One peck will plant about 100 hills, 10 to 12 bushels per acre.

**Green Mountain.** One of the very best main crop or late varieties. It is an immense yielder, does well in poor soil, producing tubers of large size; very attractive; an excellent keeper. Lb. 30c., 3 lbs. 75c., postpaid.

**Irish Cobbler.** This extra early variety is one of the very best. It matures in 7 to 8 weeks from planting. Tubers are of good size, nearly round, very heavy yielder; clean smooth white skin; of

excellent quality. A great favorite for first early. Lb. 30c., 3 lbs. 75c., postpaid.

**Pure Early Rose.** This variety is too well known to need a description. After many years it is still as popular as ever, and when you purchase the Pure Early Rose, true to name, such as we offer, you obtain a variety that you cannot surpass for all general purposes. Lb. 30c., 3 lbs. 75c., postpaid.

## PUMPKIN

**Culture.**—Pumpkins are easily grown in any section. They do best in rich soil, as vines are rank growers. Plant in hills 8 x 8 feet, or in the cornfield. Plant 3 or 4 seeds to each hill. One ounce of seed will plant about 25 hills; 3 to 4 pounds per acre.

**Connecticut Field.** The popular sort for planting in the cornfield. Used very largely for stock feeding. A most excellent keeper. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 50c.

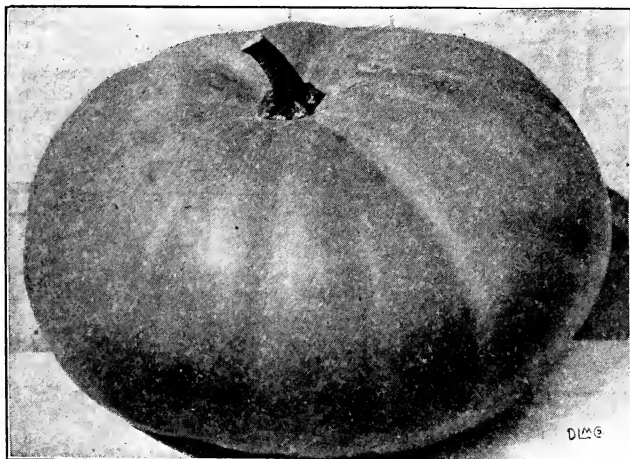
**Golden Oblong.** Rich golden-orange color; a good keeper; quality fine; cooks dry and very sweet. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Jumbo, or King of the Mammoths.** Grows to enormous size; color of skin a rich dark yellow; flesh light, good for cooking or for stock feeding. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Large Cheese** Fruit flattened, skin smooth, mottled light green and yellow; when fully matured, of a rich cream color. Flesh very tender, of superior quality; an excellent variety for pies. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Striped Cashaw, or Crookneck.** Very solid, thick flesh, small seed cavity; quality of the very best. Popular for home or market. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Tennessee Sweet Potato Pie.** Pear-shaped, medium size, with slight ribs. Color creamy, frequently striped with green. Cooks very dry; of fine quality and good flavor. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.



Large Cheese Pumpkin



# RADISH

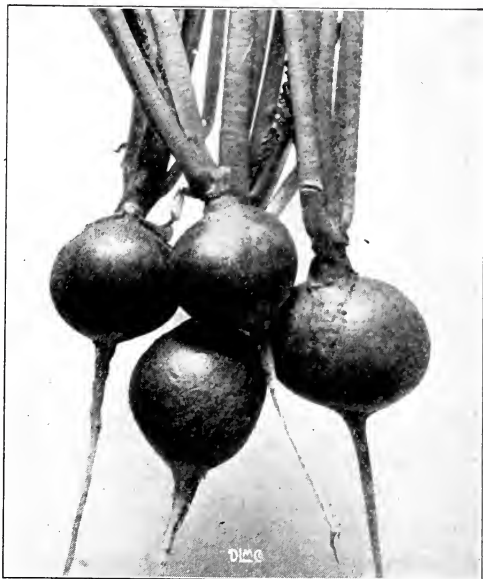
**Culture.**—Sow seed as early in Spring as ground can be well cultivated, in drills, 10 to 18 inches apart; thin out to 1 inch apart for small, 2 to 4 inches for large varieties. Soil should be rich, light and well pulverized. Continue sowing every week or ten days for continuous crop. Quick growth; insures good quality; they mature in from 18 days to 4 or 5 weeks, according to variety. One ounce to 100 feet of drill, 10 to 12 pounds per acre.

**Bright Red Forcing Globe.** One of the earliest globe-shaped Radishes. Matures in 25 days. Color brilliant scarlet; short top; desirable for bunching. Flesh very tender and crisp. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Crimson Giant.** A large globe-shaped variety of recent introduction. Color is brilliant cardinal; flesh firm and tender; matures early; grows to a large size, and is always very crisp and tender. We consider this one of the very best second early forcing varieties. Highly recommended for outdoor planting. Of recent introduction, but bound to be popular. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.25.

**Early Scarlet Globe** A very desirable variety for open ground or for forcing. It is nearly olive shaped, bright scarlet color, of fine quality. Matures very early and does not become unfit for use as soon as many extra early sorts. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Early Scarlet Turnip.** The old favorite Turnip-shaped Radish, of medium size, quick to mature; a very desirable variety. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.



Radish, Early Scarlet Globe

**Early White Box** The best early white Turnip Radish; good for under glass or for outdoor. Makes a short top; grows rapidly; flesh is firm and sweet. A very desirable variety where White Radishes are preferred. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**French Breakfast.** Oblong in shape, bright scarlet color, except near tip, which is pure white; grows very rapidly; is unsurpassed in quality; a very attractive sort when bunched; a good seller. Desirable for home use or for market. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

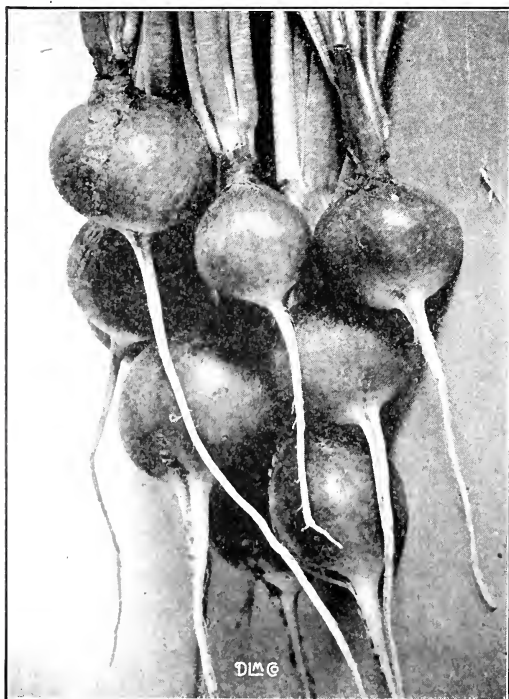
**Olive Shaped Scarlet.** This is an olive-shaped variety; fine for forcing. Has very small top; good scarlet color; pull as soon as large enough for bunching. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Scarlet Turnip White Tipped** Noll's strain.

A very popular variety for either outdoor or frame culture. Size medium, bright scarlet color, with a distinct white tip. Matures early, quality the best. This is probably more largely planted than any other variety by market gardeners. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

## SUMMER VARIETIES

**Chartier, or Shepherd.** A good outdoor Radish; matures quite early; very hard, crisp and tender. Color is a scarlet or rose, tipped with white at end. Roots are long and slender. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.



Radish, Scarlet Turnip White Tipped

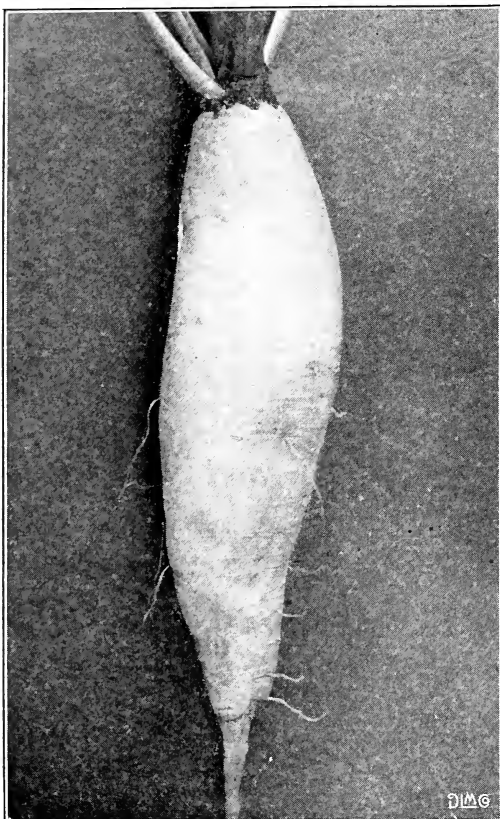
**RADISH—Summer Varieties Continued**

**Giant White Stuttgart.** Very large root, top-shaped, white skin; flesh firm and crisp; stands heat well. Give this variety plenty of room in the row as it produces mammoth bulbs. A highly flavored sort. A very desirable market variety. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Long Scarlet Short Top** The best of the long red Radishes. This is the standard Long Scarlet Radish. More of this Radish is planted than any other long variety. We have a very choice strain of this popular sort. It is very early, of good size, fine quality; good for bunching, and is the most largely planted of all long red Radishes. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Long White Icicle** The popular long white Radish; very early. The best long white Radish. Skin is pure white; flesh crisp and tender, remaining so for a long time. It is very early, maturing in 25 to 30 days. Makes a fine show when bunched for market. Popular with market gardeners. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Long White Vienna, or Lady Finger.** A long white variety; very crisp and tender; grows to good size; matures early. Very similar in shape to Long Scarlet Short Top. It is a very desirable variety where long white Radishes are desired. The flavor is mild. We recommend this variety. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.



Radish, Long White Vienna



Radish, Long White Icicle

**Olive Shaped Golden Yellow.** Similar to the olive-shaped scarlet except skin is golden yellow. Flesh is white and tender; an early variety. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**White Strasburg** A good white variety, oblong in shape; grows to good size; a desirable sort for Summer planting. One of the very best of the larger Radishes. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**White Summer Turnip.** A very desirable Summer Radish. Grows round, smooth root, crisp and firm. A favorite family Radish. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Yellow Summer Turnip.** A favorite in the New York markets. Grows round, good size; skin a bronzy yellow; flesh very tender and good quality. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**WINTER VARIETIES**

**California Mammoth Winter.** A large late or Winter variety. Pure white; grows partly above ground; keeps well through Winter months. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Celestial, or Chinese Winter.** The best of the white Winter varieties. One of the best of all Winter Radishes. Grows about 1 foot long; flesh pure white; quality unsurpassed. We recommend this variety very highly. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.



## RADISH—Continued

**Half-Long Black Spanish** This variety has become very popular in recent years and is one of the most desirable late varieties grown. The shape of the roots is half long, very uniform and they are grayish black in color. The flesh is white, firm and crisp. It is a very good keeper and is highly relished around the New York markets, where it is in great demand. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Long Black Spanish.** A very late variety; grows to large size; skin black; flesh is very firm, and of good quality; it is a very popular market variety. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Rose China Winter** Of cylindrical shape; color a light rose; has pure white flesh; grows 4 to 5 inches long; a great favorite for Winter use. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Round Black Spanish.** Round or top-shaped; grows 3 or 4 inches in diameter; skin black; flesh white. Where a round, black Radish is in demand this is the most desirable variety to grow. A good Winter keeper. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

## RHUBARB

**Culture.**—Plant in very rich soil, deeply cultivated. Plant in drills, about 1 inch deep; thin out to 6 inches in rows. Transplant roots in Fall, in highly manured soil, setting them 4 to 6 feet apart each way. Do not pull stalks until second year after transplanting roots.

**Linnaeus.** The best market sort; stalks red; flavor very fine. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Roots.** 15c. each, 4 for 50c., postpaid. By express or freight, not prepaid, \$6.00 per 100.

## SALSIFY, or OYSTER PLANT

**Culture.**—Plant about same as Carrots or Parsnips. Roots are hardy and may remain in ground over Winter. Sow in drills early in Spring, in deep rich soil. Cover seed about 1 inch deep, and thin



Mammoth Sandwich Island Salsify

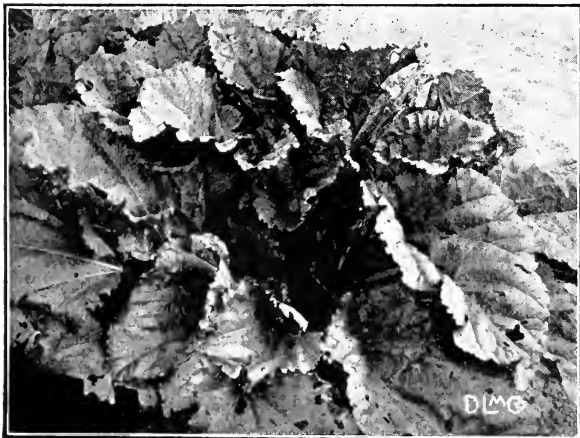
out to 2 to 4 inches in row. One ounce of seed to 100 feet of drill; 8 to 10 pounds per acre.

**Mammoth Sandwich Island** The best variety, far ahead of the old White French sort. Roots large and not liable to branch. Color nearly white; makes a very handsome bunch. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

## SORREL

**Culture.**—Sow in drills early in Spring, thin out to 6 or 8 inches apart in the row. Commence cutting about 2 months after planting. Sorrel is hardy, will continue to bear for 3 or 4 years.

**Large-Leaved French** Cooked like Spinach; a very fine salad cooked as greens. Large leaves, mild acid flavor, fine quality. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.



Rhubarb



Giant Thick-Leaved Viroflay Spinach

## SPINACH

**Culture.**—Plant in drills or broadcast in early Spring or Autumn. Spinach delights in rich soil. If planted in drills, thin out to 6 inches; have drills 12 to 18 inches apart. Cut before hot weather. If sown in Autumn protect plants with a light covering of leaves or straw. One ounce to 200 feet of drill; 8 to 10 pounds per acre.

### Belgium Evergreen Long Standing

Large dark green leaves; grows close to ground; withstands hot, dry weather, showing no tendency to run to seed; also excellent for Fall planting to Winter over. Not desirable as an early sort, but one of the best for late planting. Our demand for this variety is increasing every year. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 45c.

### Bloomsdale, or Norfolk Savoy-Leaved

The very popular variety so largely planted among market gardeners. We have single customers in the Norfolk section who plant 1000 to 1500 pounds of this desirable variety. Leaves are thick, dark green, perfectly hardy, good flavor. We highly recommend this to all our friends. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 35c.

**Giant Thick-Leaved Viroflay.** A desirable market variety. Produces large, thick, green leaves, somewhat crumpled. Matures very early; stands a long time without shooting to seed. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 35c.

### Long Seasons

This is fast becoming one of the leading sorts. Stands more heat than any other variety of Spinach excepting New Zealand. The color is dark, leaves crumpled, growing close to the ground and are very thick. Every market gardener should give this variety a trial. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 45c.

**Long Standing Spinach.** An excellent long-standing variety, good for either early Spring or Autumn sowing. Leaves large, thick and crimped. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 35c.

### Mammoth Italian Long Standing

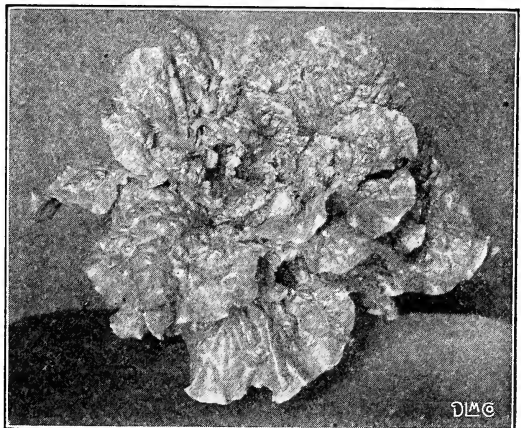
A dark colored Spinach which withstands heat admirably. It is a very heavy cropper, producing

large dark green leaves which are very tender. Habit very dwarf, growing close to the ground. It is a fine sort for late planting also. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 45c.

**New Zealand.** A distinct variety, differing entirely from the ordinary Spinach; thrives in any soil. Cut leaves or shoots during entire Summer. Plant in hills 2 feet apart each way, 3 or 4 seeds to a hill. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Round-Leaved Winter.** A hardy, well-known variety, with 'thick round' leaves. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 35c.

**Victoria.** Withstands hot weather; slow to run to seed; a very popular sort in many sections. A good variety for market or for family garden. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 35c.



Bloomsdale, or Norfolk Savoy-Leaved Spinach

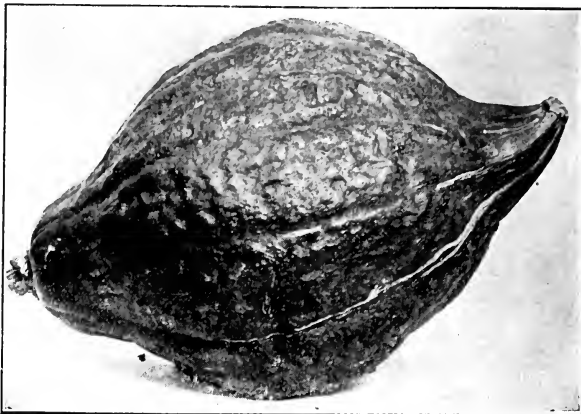


# SQUASH

**Culture.**—Do not plant until settled weather, as plants are very tender. Use same methods as for Cucumbers and Melons. Summer varieties should be planted 4 to 6 feet apart each way. Winter varieties 8 to 10 feet apart. Leave 2 or 3 plants in each hill. Four ounces of seed to 100 hills for Summer sorts, 8 ounces to 100 hills for Winter sorts, 2 to 3 pounds per acre.

**Boston Marrow.** This is an old but still very popular variety. Skin is reddish; flesh is rich salmon color of fine quality. In many markets this variety leads all others in amount of sales. We recommend this strain very highly. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Delicata.** An early Fall variety, small but very prolific; color orange, striped with green; flesh firm, dry and very sweet. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. 90c.

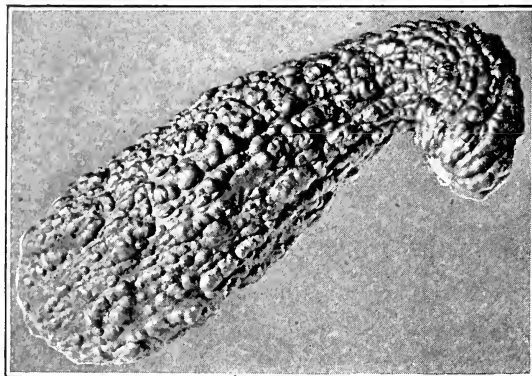


Improved Hubbard Squash

**Long Island White Bush.** A thicker and heavier variety than the ordinary White Bush; has very little rim; a good market sort and gives satisfaction wherever grown. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

**White Bush Scalloped** One of the most popular Squashes today. Very desirable for the home garden, also for market. The fruits are scalloped or edged around the rim, are somewhat flat, but very meaty. The flesh is of the best quality, tender and delicious. Color of fruits a creamy white. Vine dwarf and vigorous. Our strain of this favorite Squash is unexcelled. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Yellow Bush Scalloped.** Similar to White Bush except color is yellow. The quality is exceedingly fine: flesh is dry, deliciously sweet and tender. This variety is raised extensively in some sections of the country. It is highly recommended for home garden culture. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.



Mammoth Summer Crookneck Squash

**Fordhook.** A Fall or early Winter Squash of medium size; color a creamy yellow; a good keeper; flesh sweet and tender. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Improved Hubbard** One of the most popular Winter varieties; flesh fine grained, of bright orange color; cooks very dry, sweet and tender. A most excellent keeper. Shell is thick and tough, making it a most desirable shipper. It is much warted or roughened, and when ripe is sometimes greenish and at others reddish in color, depending on soil and weather conditions. Without doubt this variety is more largely planted than any other of the Winter Squashes. We have a very choice strain of this popular and profitable sort. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Mammoth Chili.** The largest of all the Squashes. Flesh yellow, very thick, but of good quality. It is valuable for table use or for stock feeding. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

## Mammoth Summer Crookneck

A strong, vigorous grower; fruit large and warted; flesh white; quality fine; very productive. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. 90c.



White Bush Scalloped Squash

# TOMATO

**Culture.**—Plant seed in boxes or hotbeds, from 6 to 8 weeks before setting out in the open. Transplant in coldframes or pots; when danger from frost is past plant in open ground, setting 3 to 5 feet apart each way. They should be thoroughly cultivated. One ounce of seed will produce about 4000 plants.

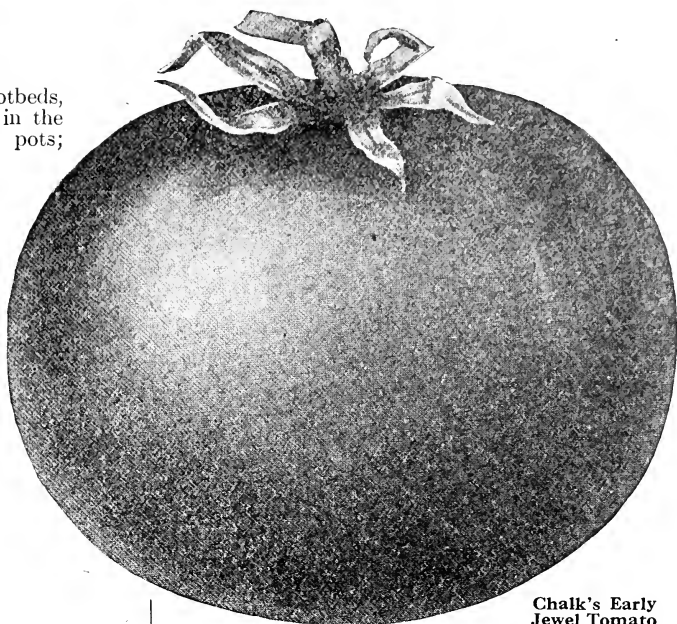
**Acme.** Hardy, vigorous and productive; fruit large, smooth, round; free from cracks; color pink. An old and well-known sort. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 80c., lb. \$2.50.

**Beauty.** Color purplish red; fruit large, very heavy and meaty; a very prolific and profitable variety; a good shipper. Very showy. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 80c., lb. \$2.50.

**Bonny Best.** Early, good size and shape. Very prolific. This new sort is bound to be a leader, on account of its many good qualities. It is a vigorous grower; very prolific. Shape nearly round, partly flattened at stem end; very thick through. Color a bright scarlet; grows in clusters of 4 to 6. We are confident this variety will please all who plant it. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.20, lb. \$3.50.

**Chalk's Early Jewel** A large, smooth, fine-flavored extra early.

This is a fine, large, early sort. Vines very vigorous and productive; fruit very solid; an excellent shipper. Plants are strong, robust, very prolific, not subject to blight. Comes in bearing a few days after Earliana but is much more desirable on account of size and quality. We consider this a very desirable variety for home or market use. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.



Chalk's Early Jewel Tomato

**Coreless.** A large fruiting main crop variety of exceptional merit. Fruit is globe-shaped, bright red in color. Grows little or no core and is an excellent variety for shippers, being very firm and solid. A very desirable variety for the home garden, also for market. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$3.50.

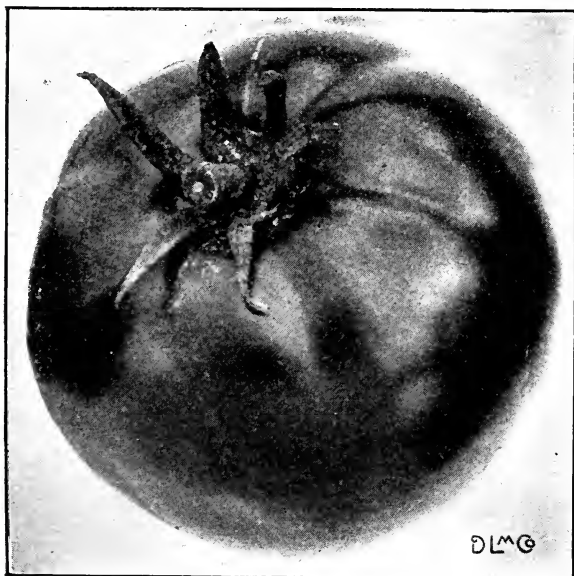
**Dwarf Champion.** Purple skin; dwarf vine, but very prolific. Fruit is large and smooth, and of excellent flavor. Can be planted much closer than the taller sorts. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

**Dwarf Stone.** A good late sort. Vines are quite dwarf, but are very prolific. Fruit large, smooth and solid; color a very handsome scarlet. This is without doubt the best of the dwarf varieties. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.10, lb. \$3.25.

**Duke of York, or Buckeye State.** Of special merit on account of its uniformity in ripening. Color a rich glossy pink; a very heavy cropper; fruit large, firm, and heavy. It averages 8 to 10 fine Tomatoes in a cluster; ripens evenly up to stems; not subject to blight. An excellent sort for late Summer and early Fall. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c., lb. \$2.75.

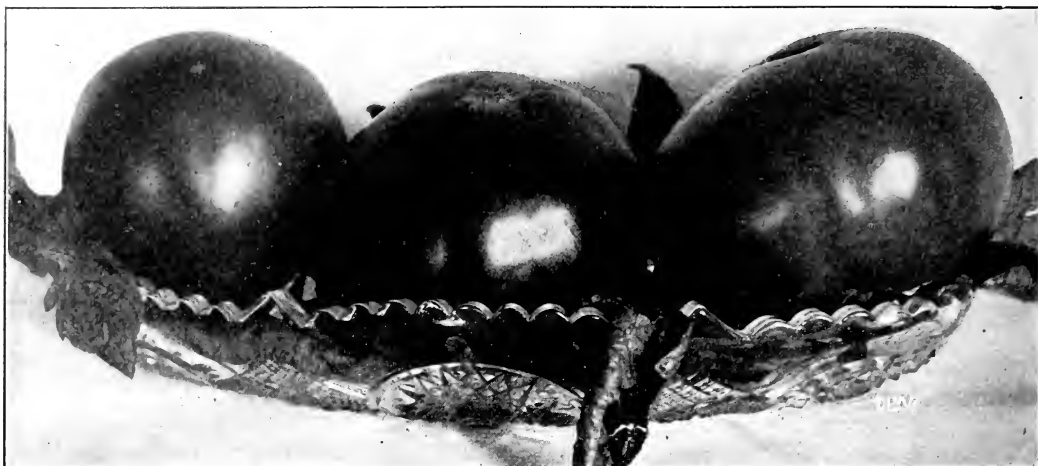
**Earliana Selected** A very early variety, smooth, prolific, of good size; very uniform in shape; color bright scarlet, and of fine flavor. This variety is largely grown in the great Tomato growing section of South Jersey. It is a great money-maker, as on account of its extreme earliness it brings the top prices. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$3.50.

**Early June Pink.** Similar in habit to Earliana; about the best of the early pink-skinned sorts. Plant is compact, branches freely; hangs in clusters of 6 or 8 fruits. Free from blight. Bound to be popular where pink-skinned sorts are in demand. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.



Tomato, Earliana Selected





Noll's New Discovery Tomato

## TOMATOES—Continued

**King of the Earlyies**

This is a very fine early sort, producing large red Tomatoes, very firm and solid. The fruits are only a few days later than the Earliana but are decidedly larger and more smooth. The vines are small but are very productive, the fruits being borne in clusters. A very good variety for the market gardener to grow, also desirable for the home garden. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**Livingston's Globe.** This new globe-shaped variety is very early, smooth and solid; skin a glossy pink; a heavy cropper, of excellent quality. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c., lb. \$3.00.

**Matchless.** A good keeper and shipper. A rich, red-skinned variety, of exceptional merit. It is a fine shipper; as skin is tough, stands rough handling. Plants are strong and vigorous; fruits are of large size, always smooth and regular in shape. This is one of the very best main or late crop Tomatoes. We recommend this variety to our market gardeners as one of the most profitable and satisfactory varieties. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c., lb. \$2.75.

**Noll's New Discovery**

We claim this is one of the best extra early Tomatoes on the market. It is earlier than the Earliana, more productive, more smooth and a better color. It is from 5 to 6 days earlier than the Earliana, bears on an average 5 to 6 large fruits on the crown set. It is very solid and the quality is unsurpassed. One of our customers in Black Hall, Conn., who has raised Tomatoes for thirty years, writes that he never grew a better Tomato than our New Discovery in all this time, and he has tried them all. The plants are close jointed, bear fruit very freely; the fruits are uniform in shape and color and perfectly smooth. It is bright scarlet in color and has a very small seed cavity. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50, lb. \$4.00.

**Pear-Shaped Red.** A pear-shaped variety, used for preserving. Vines are very heavy yielders;

fruit bright red. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Ponderosa.** Probably the largest of all Tomatoes. Color a bright crimson; fruit smooth and regular in shape; a favorite sort for the home garden. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.75.

**Red Cherry.** Small, red fruit, about the size of a cherry; very prolific; used largely for preserves and pickles. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c., lb. \$3.00.

**Selected Stone**

We have a carefully selected stock of this favorite variety. For a main crop this sort cannot be surpassed. It is one of the very best for canning or for market use. Fruit large, of bright red color, very smooth, heavy and solid. We know of no variety that will give better satisfaction for all general purposes. Pkt. 5c., oz. 25c.,  $\frac{1}{4}$  lb. 85c., lb. \$2.50.

**Success.** This is a very fine variety for late crop. The fruits are large, firm and solid. Color is a bright scarlet. A very attractive sort, either for the market or home garden. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**Sutton's Gold Mine**

A rich, pink-skinned variety, of large size; a healthy and vigorous grower; bears continuously until frost. An elegant shipper; carries long distances in perfect condition. We have had a great many favorable reports from this new variety. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c., lb. \$2.75.

**Triumph.** An extremely valuable late or main crop variety. Fruit very large and solid; ripens up evenly. Vines are prolific. This is an excellent variety for canning or for market purposes. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 85c., lb. \$2.50.

**Trucker's Favorite.** This is an old but very popular variety. It is productive, very firm and solid. A very good variety for main crop. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 85c., lb. \$2.50.

**Yellow Plum.** A yellow plum-shaped fruit, deep in color; yellow flesh, of fine flavor. Good for preserves. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**WE** make Tomatoes one of our leading specialties. Our strains of all varieties are of the highest quality. Don't fail to try Noll's New Discovery Tomato, it will certainly please you.

# TURNIP

**Culture.**—Plant in drills about 2 feet apart and about  $\frac{1}{2}$  inch deep or broadcast in thoroughly harrowed ground. Thin to 4 to 5 inches apart in the rows. Keep free from weeds. If wanted for early use plant early in the Spring. Main crop is usually planted in July or August. One ounce of seed to 250 feet of drill; 2 to 3 pounds per acre.

**Cow Horn.** Long white, except top, which has shade of green. Roots grow very large, crooked in shape, nearly half out of ground. Matures very early; is of good flavor. A very good keeper for Winter use. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Early Snowball.** Very early; white skin and flesh; roots of good size; very firm, sweet and tender. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Golden Ball.** Smaller than Yellow Globe; very handsome in appearance; a good keeper; flesh yellow, sweet and tender. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Purple Top Milan.** The Milan is the earliest of all Turnips; white with purple top; very desirable for early planting. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Purple Top Strap-Leaved.** This variety is similar in color to the purple Top Globe; the shape is flat; the best variety for markets which want flat Turnips. Flesh is white, fine grained and good quality. An excellent keeper for Winter use. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Purple Top White Globe** The popular variety for market or home use.

Flesh white and of excellent quality; shape is nearly a globe; skin white at bottom, purple at top, making a very attractive appearance. This variety is more largely planted than any other by market gardeners. It keeps well and is always in demand. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 60c.

**White Egg.** An egg-shaped sort of quick growth, smooth and white, small top. Roots grow half out of ground; very tender, sweet and mild. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**White Milan.** Pure white; as handsome as early Purple Top Milan; flesh sweet and tender. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

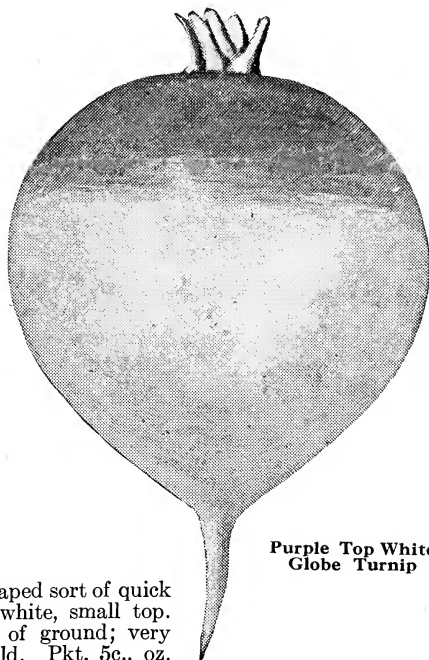
**Yellow Aberdeen.** A popular yellow-fleshed variety; medium-sized roots, very hardy, sweet, tender and desirable. An excellent variety for stock feeding as well as for table use. Productive and a splendid keeper. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Yellow Globe.** Flesh yellow, round, medium in size. A very popular yellow sort. Fine grained, very tender. Good cropper. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

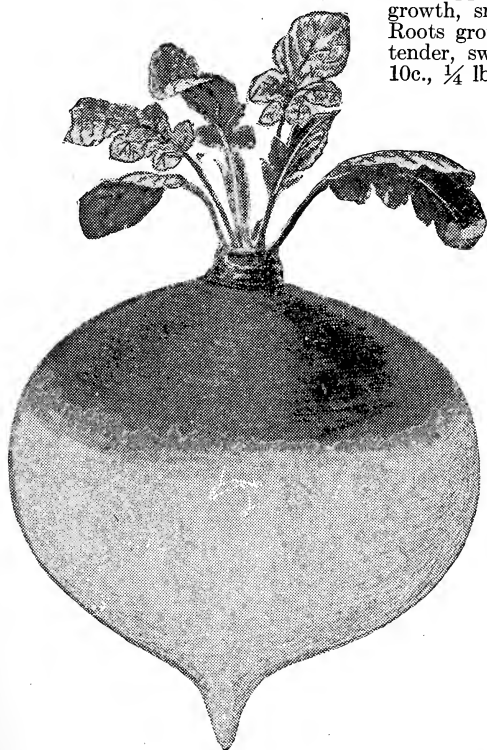
**Yellow Stone.** A globe-shaped yellow-fleshed variety of good quality; a very good keeper. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

## RUTABAGA, or SWEDE

**Long Island Improved Purple Top.** The best, most popular and most productive of all. We list but this one sort of Rutabaga, as we consider our strain of this variety embraces all the good points contained in the Rutabaga family. Grows entirely without neck, has very small top and tap root. It is very productive, grows to large size, but is sweet and tender. Unsurpassed for stock feeding or table use; flesh yellow. The best for either market or home use. We cannot praise this stock too highly. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.



Purple Top White  
Globe Turnip



Long Island Improved Rutabaga



# HERBS, SWEET, POT AND MEDICINAL

Culture.—Most Herbs thrive best on light, sandy soil. Sow early in the Spring in carefully prepared and thoroughly cultivated ground. Plant shallow and press soil down firmly.



Pot Majoram

- Anise.** Seeds aromatic and carminative. Pkt. 5c., oz. 10c., lb. 75c.  
**Balm.** For culinary purposes. Pkt. 5c., oz. 30c., lb. \$2.50.  
**Basil.** Sweet. Culinary herb used for flavoring soups, etc. Pkt. 5c., oz. 15c., lb. \$1.50.  
**Bene.** The leaves used for dysentery. Pkt. 5c., oz. 15c., lb. \$1.00.  
**Borage.** Leaves used as a salad. Pkt. 5c., oz. 10c., lb. \$1.00.  
**Caraway.** Used in flavoring liquors and bread. Pkt. 5c., oz. 10c., lb. 60c.  
**Catnip.** Has medicinal qualities. Pkt. 10c., oz. 40c., lb. \$4.00.  
**Coriander.** Seeds aromatic. Pkt. 5c., oz. 10c., lb. 60c.  
**Cumin.** Pkt. 5c., oz. 15c.; lb. \$1.00.  
**Dill.** Seeds used for flavoring vinegar. Pkt. 5c., oz. 10c., lb. 60c.  
**Fennel, Sweet.** Seeds aromatic; for flavoring. Pkt. 5c., oz. 10c., lb. 60c.  
**Fennel, Florence.** In flavor resembling Celery. Pkt. 5c., oz. 15c., lb. \$1.25.  
**Lavender.** For oil and distilled water. Pkt. 5c., oz. 20c., lb. \$2.00.  
**Marjoram, Pot.** Used in seasoning. Pkt. 10c., oz. 40c., lb. \$4.00.  
**Marjoram, Sweet.** Used in seasoning. Pkt. 5c., oz. 20c., lb. \$1.25.  
**Rosemary.** Yields an aromatic oil and water. Pkt. 5c., oz. 30c., lb. \$3.00.  
**Rue.** Said to have medicinal qualities. Pkt. 5c., oz. 20c., lb. \$2.00.  
**Saffron.** Used in medicine, and also in dyeing. Pkt. 5c., oz. 10c., lb. \$1.00.  
**Sage.** Common. A culinary herb; also used in medicine. Pkt. 5c., oz. 15c., lb. \$1.50.  
**Savory, Summer.** Used as a culinary herb. Pkt. 5c., oz. 10c., lb. \$1.00.  
**Savory, Winter.** Used as a culinary herb. Pkt. 5c., oz. 20c., lb. \$2.00.

**Tansy.** Generally used in bitters. Pkt. 10c., oz. 50c.

**Thyme, Broad-Leaved English.** Used as a seasoning. Pkt. 10c., oz. 50c., lb. \$3.75.

## TOBACCO

Culture.—Sow seed early in the Spring in seed bed; when plants are about 6 inches high transplant in hills 4 to 5 feet apart each way. Cultivate thoroughly. One ounce of seed for 5000 plants.

**Big Havana.** Large leaf of good flavor and fine texture. Pkt. 10c., oz. 30c.

**Connecticut Seed-Leaf.** A popular variety in the North and New England States. Pkt. 10c., oz. 25c.

**Sweet Oronoko.** Produces good plug fillers; a fine natural chewing leaf. Pkt. 10c., oz. 25c.

**White Burley.** A valuable sort for either cut or plug Tobacco. Pkt. 10c., oz. 40c.

## GARDEN LEMON

Produces fruit of a striking appearance, useful for preserves; has a decidedly acid flavor. Very productive. Cultivate same as Muskmelons. Pkt. 10c., oz. 30c.

## IMPROVED GROUND CHERRY

The best of the husk Tomatoes; makes fine preserves. Fruit is a handsome yellow color, nearly round; enclosed in a husk, which opens as fruit matures. Plant and cultivate same as Tomatoes. Pkt. 10c., oz. 40c.

## VEGETABLE PLANTS

We can supply in proper season, **Cabbage, Cauliflower, Lettuce, Egg-Plant, Pepper** and **Tomato Plants** in any quantity. Write for prices, stating the quantity wanted.



Rosemary

# FIELD CORN

## DENT VARIETIES

**Droughtproof** A Yellow Dent variety of great merit. This is an early Yellow Dent, which originated in Ohio. It has been on the market for several years and each year adds to its popularity. The introducer claims: "It is the largest grained and has the smallest cob of any Yellow Dent Corn. Brightest colored grain. Fully as early as Leaming. Yield not excelled by any other sort. Strong growth of stalk and handsome ear. An unusual yield of shelled Corn insured by depth of grain." It withstands drought better than other varieties. All points considered, it is the best 90 to 100-day Corn on the market. We have stock direct from Ohio. Pk. 75c., bus. \$2.50.

**Eureka.** An early, large-eared yellow Corn, of the Dent variety; grains are very deep, good orange color; cob small; matures early, a week or 10 days later than the Leaming. Very productive; good large fodder. We have sold hundreds of bushels of this variety to our customers in the past 2 or 3 years; they pronounce it the best Corn they have ever grown. Pk. 75c., bus. \$2.50.

**Leaming.** A very early and prolific variety; ears of good size; grain of good color, very heavy; a very popular variety for ensilage purposes. We know of no better sort for this use, especially in the North. Pk. 60c., bus. \$2.25.

**Improved Mastodon** Considered the earliest of all large-eared varieties. This Corn originated with Mr C. S. Clark, of Ohio, who is probably the largest grower of seed Corn in America. He thinks this is the best of all the large-eared sorts. It matures very early, grows a very large ear, deep grain, and of good color. It will grow a crop farther north than any other large Dent variety, and will produce more bushels per acre than any Corn we know of. It matures in from 96 to 110 days; is far ahead of Golden Beauty. It is a cross between White Cap Dent and Early Row Dent. We offer headquarters stock direct from Mr. Clark. Pk. 75c., bus. \$2.50.

**Golden Beauty.** A broad-grained, large-eared variety, maturing in about 120 days. Cob is small; grain very heavy and of a beautiful golden-yellow color. This is a very popular variety in New Jersey. Pk. 60c., bus. \$2.25.

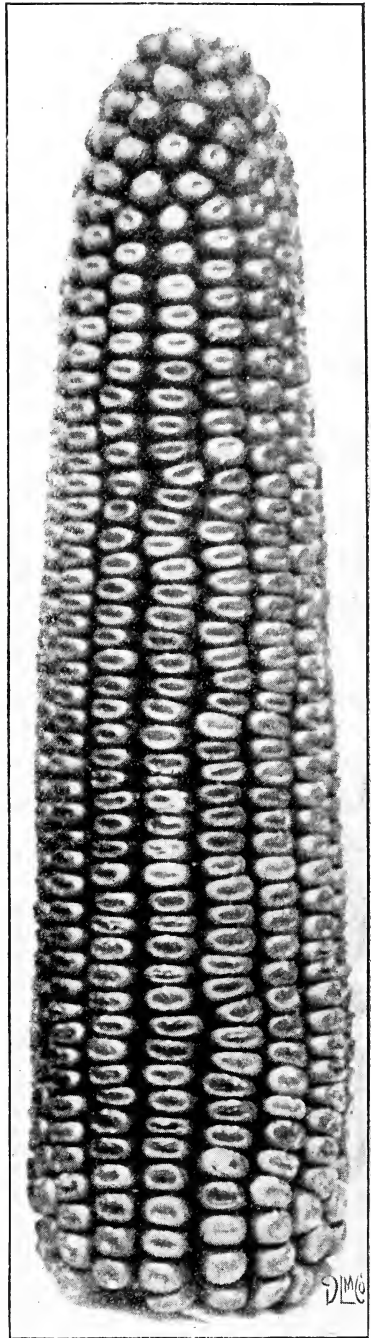
## FLINT CORN

**Canada Yellow.** This is the old and still popular Yellow Flint variety. Matures in 90 days, and is always reliable. Ears are of good length, containing 8 rows of large, yellow grains. Also grows a good fodder. Will mature where other varieties fail. Grows on poor land and gives large crops. A popular New England Corn. Pk. 60c., bus. \$2.25.

**Large White.** Large, handsome, well-filled ears; grain white. Will mature early and give good satisfaction. Pk. 60c., bus. \$2.25.

**Longfellow.** The longest ear of all the Yellow Flint Corn; will ripen as far north as Massachusetts. A good yielder. Pk. 60c., bus. \$2.25.

**Note.**—If Corn is wanted in lots of 10 bushels or over, write for special prices.



Field Corn Improved Mastodon

Some good varieties in our Vegetable list you ought to try: Beans, King of the Earlies; Market Gardener's Cabbage; Rubicon Half-Long Carrot; Noll's Superior Extra Early Cauliflower; Twentieth-Century Lettuce; Maryland Muskmelon; Sutton's Gold Mine Tomato



## FARM SEEDS—Continued



Dwarf Essex Rape

**MILLET**

**German, or Golden.** Medium early; grows 3 to 5 feet in height; heads are compact and well filled; very large spikes. Seed round and bright golden color. For hay sow broadcast three pecks to one bushel per acre; for seed plant in drills one-third to one-half bushel per acre. Usually planted from May until August, according to location. Market prices.

**Hungarian.** A favorite Summer forage crop. Sown in June can be cut in about 60 days. Will yield 2 to 3 tons of hay per acre. Withstands heat and drought well. Plant about three pecks to one bushel per acre. Market prices.

**Japanese Millet.** Sometimes called Barnyard Millet. Grows very tall, 6 to 7 feet; makes valuable forage, and is the greatest yielder of all the Millets. Sow about 15 lbs. per acre. Market prices.

**OATS**

**White Tartar.** A favorite variety in New York State, where it is grown in large quantities on account of its many good qualities. Heads are very large, well filled with large kernels, straw very stiff and strong, standing up well in bad weather. Seed is pure white, very meaty, with thin hulls. This variety has outyielded any other in trials and field crops. We have the pure selected stock. Pk. (8 lbs.) 50c., bus. (32 lbs.) \$1.50, 10 bus. (320 lbs.) \$13.50.

**White Cluster.** This variety comes to us from the great Oat growing section of Ohio, where it is taking the preference over all other sorts, on account of its enormous yields. Straw is tall, very stiff and heavy; grain large and white, very plump and meaty. Heads are long, of branching habit and well filled always. It has great stooling habit. It thrashes out more bushels per acre than any Oat we know of. Pk. (8 lbs.) 50c., bus. (32 lbs.) \$1.50, 10 bus. (320 lbs.) \$13.50.

Prices Subject to Change

**RAPE**

**Dwarf Essex.** Fine for sheep pasture; this is the best and only profitable variety for pasture. It is also valuable as a soil enricher. Plant in June or July in drills at the rate of 3 pounds per acre, or broadcast at the rate of 5 pounds per acre. It can be planted alone or with other forage crops. 10 lbs. \$1.50, 25 lbs. \$2.50, 100 lbs. \$9.00.

**RYE**

**Spring.** A fine catch crop to plant where Fall-sown grain has failed. Straw is short and stiff. 1½ bushels per acre. Market prices.

**Winter.** The large white Rye largely planted in the Fall. Market prices.

**VETCHES, or TARES**

**Spring Vetch.** Plant 2 bushels per acre. Culture same as Field Peas. A valuable cover crop. 10 lbs. \$1.50, 25 lbs. \$3.00, 100 lbs. \$10.00.

**Winter, Hairy, or Sand Vetch.** Usually planted in Fall, is hardy and enormously productive; a fine cover crop. Can be planted alone or with Rye, at the rate of 1½ bushels, if alone, or 1 bushel of Vetch and ½ bushel of Rye per acre. Cut for forage before seed sets, it will produce a second crop on same ground. 10 lbs. \$2.00, 25 lbs. \$4.50, 100 lbs. \$15.00.



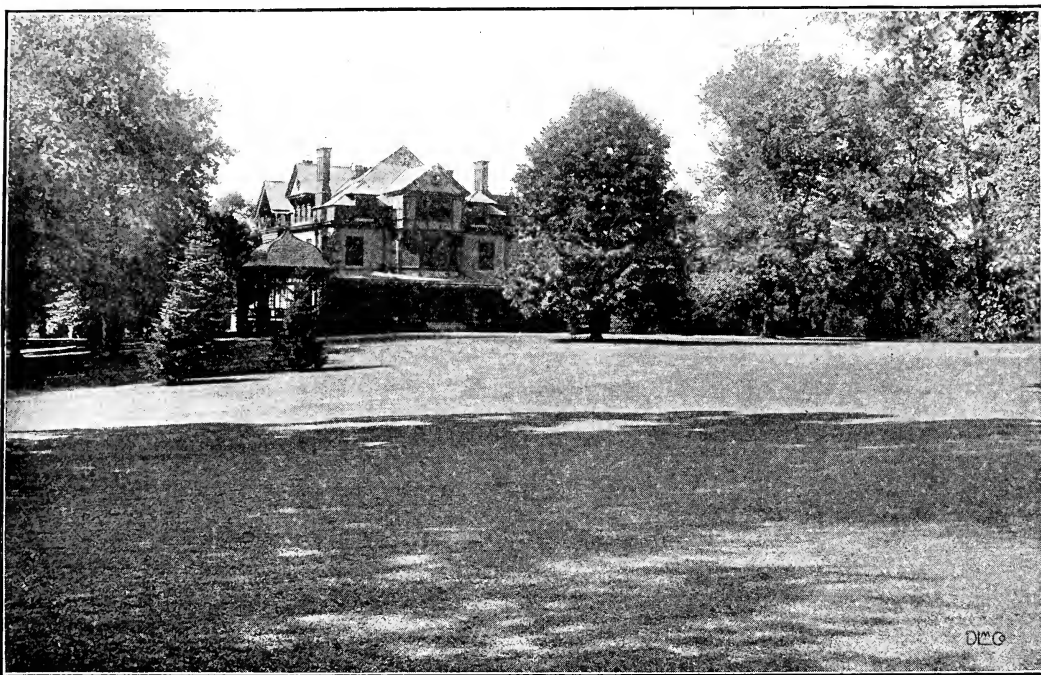
White Cluster Oats

# LAWN GRASS SEED

## Our Mixtures are Unsurpassed

**How and When to Plant.**—Sow seed in early Spring, some time in March or April, or if in the Fall, sow early enough for young shoots to become well established before freezing weather. Soil should be rich, carefully prepared by being thoroughly pulverized. Sow seed when ground is moist and always roll after sowing, if possible. Also advise use of roller in Spring, after frost is out of ground; if any reseedling is done, do it before rolling. All lawns are much benefited by frequent mowing, but do not cut too close in hot, dry weather; also do not cut late in Fall. Well fertilized ground stands drought much better than poor ground. One pound will seed 400 square feet of new ground. Sow 100 pounds per acre for new lawns. For renewing old lawns sow 25 to 40 pounds per acre.

If Grass seed mixtures are wanted by mail add 8c. per lb. for postage.



## NOLL'S PERFECT LAWN GRASS MIXTURE

This mixture is all the name implies. Compounded from a variety of re-cleaned Grasses only which have proven their superiority as lawn Grasses. Anyone wishing to have the best of results should not fail to sow this mixture. This is no ordinary mixture and is as low in price as is consistent with quality. Price per lb. 50c., 2 lbs. 90c., 5 lbs. \$2.00, 10 lbs. \$3.75, 20 lbs. and over, at 35c. per lb.

## NOLL'S BRANCH BROOK PARK LAWN GRASS SEED

Named after one of our large city parks where it has been used for a number of years. To customers who do not wish our highest priced mixture, we can recommend this brand, as it has been in demand for some time. Will produce a fine lawn in 6 to 8 weeks. Price per lb. 35c., 2 lbs. 60c., 5 lbs. \$1.35 10 lbs. and over, at 25c. per lb.

## NOLL'S SHADY PLACE GRASS SEED

This mixture contains a majority of Grasses suitable for growing in shady places. Produces an excellent turf in a short time. Price per lb. 45c., 2 lbs. 80c., 5 lbs. \$1.75, 10 lbs. and over, at 30c. per lb.

## NOLL'S TERRACE GRASS SEED MIXTURE

Compounded from quick-growing Grasses which produce a network of long roots, which grow to a good depth, preventing washing out, etc. This brand is sure to satisfy. Price per lb. 35c. 2 lbs. 60c., 5 lbs. \$1.25, 10 lbs. and over, per lb. 22c.



## GRASSES

**Note.**—Prices given below on Grasses are net figures January 1, 1913, and are subject to market changes.

We endeavor to supply only the best grades of all Grasses and Clovers. Please bear this in mind when comparing our prices with those of others. There are many grades, and prices are often far apart. We have only one grade, "the best."

**AWNLESS BROME GRASS** (*Bromus Inermis*). Does well on dry and poor soils; will stand long droughts and produce heavy crops. Lb. 20c., 100 lbs. \$15.00.

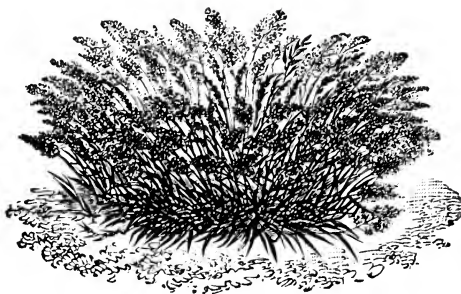
**CANADA BLUE GRASS.** Useful for growing on hard clay and poor soil, also good for steep places. Lb. 30c.

**CREeping BENT GRASS.** A valuable Grass for lawns; does well in moist places. Lb. 35c., 100 lbs. \$30.00.

**ENGLISH RYE GRASS.** Perennial. A vigorous growing Grass in meadows of moist soil. Valuable for permanent pastures. Sow 30 to 40 pounds per acre. Lb. 15c., 100 lbs. \$12.00.



Awnless Brome Grass



Kentucky Blue Grass

**HARD FESCUE GRASS.** Like Sheep's Fescue, a good Grass for sandy soil and under trees; does not grow tall. Thirty pounds per acre. Lb. 30c.

**KENTUCKY BLUE GRASS.** One of the best Grasses grown. Does well everywhere. Desirable for lawns. 60 pounds per acre. Lb. 25c., 100 lbs. \$20.00.

**MEADOW FESCUE GRASS.** Used in permanent pastures; very productive. Sow 25 pounds per acre. Lb. \$25c., 100 lbs. \$22.00.

**ORCHARD GRASS.** Fine for pastures, grows well under trees; very early; withstands drought and heat. 28 pounds per acre. Lb. 35c., 100 lbs. \$30.00.

**RED TOP, or HERD GRASS.** One of the best permanent Grasses. Makes good pasture; valuable also for hay. 20 pounds per acre. **Fancy, free from chaff.** Lb. 30c., 100 lbs. \$25.00.

**RED TOP, or HERD GRASS.** Same as above, except it is in chaff. Weighs only 14 pounds per bushel. 20 pounds per acre. Lb. 15c., 100 lbs. \$12.00.

**RHODE ISLAND BENT GRASS.** Valuable for lawns or pastures. Does well on any soil. 40 pounds per acre. Lb. 40c., 100 lbs. \$35.00.

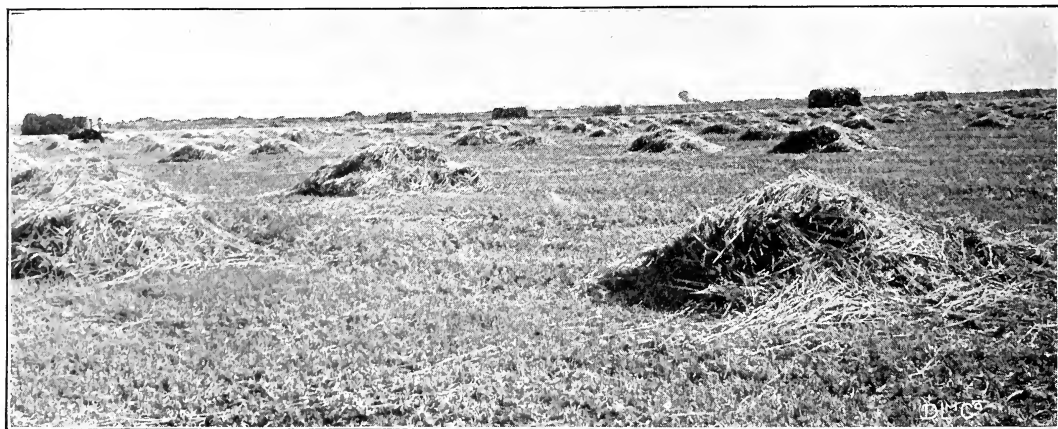
**SHEEP'S FESCUE GRASS.** Should be sown in all sheep pastures. Does well in dry soils. 30 pounds per acre. Lb. 30c., 100 lbs. \$25.00.

**TIMOTHY GRASS.** The most popular of all for hay. Planted in all sections. If planted alone, 15 to 20 pounds per acre, less if with other Grasses. Lb. 20c. For larger quantities, write for prices.

**WOOD MEADOW GRASS.** Fine for shady places. Makes a fine sod. Sow 28 pounds per acre. Lb. 50c., 100 lbs. \$45.00.

### NOLL'S PERMANENT PASTURE MIXTURE

A mixture of varieties which will form a permanent pasture, which lasts for years. May be used for pasture one season and for hay crop the next season. Sow on new land which has been plowed and harrowed, at the rate of 50 pounds per acre. On ground partly covered with Grass, 30 pounds per acre. Price per pound 25c., 10 pounds \$2.25, 100 pounds \$20.00.



## CLOVERS

### ALFALFA, OR LUCERNE CLOVER

The Clover of the West and being more largely planted in the East every year. When thoroughly established can be cut three or four times a year, yielding heavily each cutting. Do not plant on heavy soil. Soil must be thoroughly prepared by deep plowing and harrowing until it is in fine condition. Sow 20 to 25 pounds per acre. Ask for prices.

### ALSIKE, OR SWEDISH CLOVER

The hardiest of the Clover family. Very valuable for pasture. Lasts many years. It is very sweet and fragrant. Bees obtain much honey from this Clover. Sow 8 to 10 pounds per acre. Ask for prices.

### WHITE CLOVER

Valuable for lawns or for pastures; also very valuable for bees. Sow at rate of 3 pounds per acre with other Grasses, or 6 pounds if sown alone. Lb. 60c., 100 lb. \$55.00.

### RED CLOVER

Well known in all sections; planted largely wherever Grass is grown. Sow Spring or Fall, 8 to 12 pounds per acre. Ask for prices.

### SCARLET, OR CRIMSON CLOVER

Used largely as a soil enricher. Sown in the Fall and plowed under in Spring it is a very valuable green manure. Plant 15 pounds per acre. Ask for prices.



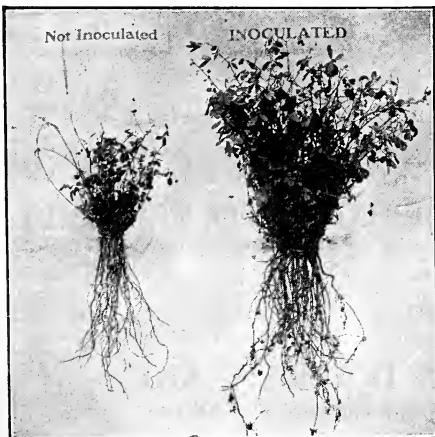
Alfalfa; or Lucerne Clover

Trade **FARMOGERM** Mark  
HIGH-BRED NITROGEN GATHERING BACTERIA  
SEED AND SOIL INOCULATIONS

### PEAS, BEANS, SWEET PEAS

**Bear earlier, longer and better and enrich the soil**

Truck gardeners, private estates, farmers and Agricultural Experiment Stations throughout the United States strongly indorse Farmogerm inoculations. Farmogerm comes in bottles ready for use—you can inoculate seed for ten acres in ten minutes. We strongly recommend the use of Farmogerm inoculations whenever you plant legumes of any description, and will gladly send you complete information upon request. Prices—5-acre size bottles \$9.00; 1-acre size bottles \$2.00; garden size bottle 50c.



Results of Farmogerm on Alfalfa

## ALFALFA

### COW PEAS, SOY BEANS, CLOVERS

**Must have inoculation to enable them to grow.**

**Enrich the soil and yield big crops**

Alfalfa can be grown successfully in the red clay soils or the sandy soils of New Jersey; the only requirements being a good seed bed free from weeds—well drained land—and the very necessary nitrogen-gathering bacteria, without which Alfalfa cannot exist. The practice of transferring soil known to contain these bacteria to other fields is both costly and dangerous—weeds, soil, and plant diseases are spread in this manner. All inoculations should be made only with the pure cultures of Farmogerm inoculations, to secure positive beneficial results.

**Legumes will deposit 1200 lbs. of nitrates per acre when inoculated with FARMOGERM and will increase in yield 50 to 200 per cent.**



# FLOWER SEED NOVELTIES AND SPECIALTIES OF MERIT

## ANTIRRHINUM

(Snapdragon) fl. pl.

A new variety of the tall-flowering Snapdragon. The flowers are white and are borne on long spikes. An excellent cut flower for vases. H. P. Pkt. 20c.

## AQUILEGIA CHRYSANTHA

(Double Yellow)

A new variety of Aquilegia, having exquisite flowers of deep golden yellow; 70 per cent. come double. H. P. Pkt. 15c.

## COXSCOMB—Dwarf Variegated

Of the same height as the other sorts, but with extra sized combs of variegated hue, presenting blotches and bands of yellow, red, rose and violet. Pkt. 25c.

## DIMORPHOTHECA AURANTIACA HYBRID

(Transvaal Daisy)

New Selected Hybrids in splendid mixture. In habit, growth and foliage, as well as in height of the plant (12-15 inches) and the size of the flowers ( $2\frac{1}{2}$ - $2\frac{3}{4}$  across), these new hybrids are like the parent *Dimorphotheca aurantiaca*. They vary in color from the purest white to reddish and bluish white tints; sulphur, lemon and bright golden yellow. H. A. Pkt. 25c.

## GERBERA JAMESONI

(Scarlet Transvaal Daisy)

An excellent flower growing to the height of 2-3 feet; of a deep scarlet shade. Fine for cutting. H. H. P. Pkt. 20c.

## IPOMOEA GRANDIFLORA ROSEA

This entirely new strain produces gorgeous flowers in great abundance. The color is a lovely shade of rose. It grows very fast, from 15 to 18 feet in height, and will be found most valuable for trellises, walls, etc. Sow seed in February or March in boxes or hotbeds; the young plants may be set out in the latter part of April. Pkt. 15c.



Stock Giant Abundance



*Dimorphotheca aurantiaca* hybrid

## PANSY PRINCESS

A new variety of Pansy growing very erect. The stalks and pedicels of the Princess Pansies are unusually firm and strong; they rise vertically from the root, and the laterals group themselves closely around the main stem, thus forming a compact, sheaf-like bush. Pkt. 25c.

## STOCK GIANT ABUNDANCE

An exquisite variety of Stocks producing fine, large spikes of carmine-rose flowers. Pkt. 15c.

## LARGE-FLOWERED WINTER STOCK WHITE LADY

This is in every respect one of the finest varieties of Stock ever produced. The flowers are very double and pure white, growing about 20 inches high and throws a massive central spike branching freely in candelabra fashion, finally assuming the shape of a pyramidal bouquet. Seventy per cent. come double. Pkt. 25c.

## ZINNIA DOUBLE GIANT

(*Grandiflora robusta plenissima*)

A new and distinct class of this ever-popular flower, producing large double blooms from  $4\frac{1}{2}$  to 6 inches in diameter. We offer this variety in mixed colors. Pkt. 15c.



# CHOICE FLOWER SEEDS

WE make a specialty of sending out only choice varieties of flower seeds, which are grown for us by experts in this line. We do not send out seeds carried over from previous seasons, but seeds we get fresh every year. We have thousands of satisfied customers who purchase their flower seeds from us, as well as other seeds, etc., in our line. Send us an order and be one of the satisfied customers.

**ANNUALS.** Attain full growth, flower and die in one year.

**BIENNIALS.** Grow from seed one year, bloom and die the next, though some varieties bloom the first season when sown early.

**PERENNIALS.** Last for several years, blooming annually after the first season, though some varieties will bloom the first season if sown early.

## EXPLANATION OF ABBREVIATIONS

H. A.—Hardy Annuals.  
H. H. A.—Half-hardy Annuals.  
T. A.—Tender Annuals.

H. B.—Hardy Biennials.  
H. H. B.—Half-hardy Biennials.  
H. P.—Hardy Perennials.  
H. H. P.—Half-hardy Perennials.

T. P.—Tender Perennials.  
G. P.—Greenhouse Plants.  
C.—Climber.

**ABRONIA umbellata** (Sand Verbena). Very pretty trailing plants; numerous clusters of sweet-scented flowers. Rosy lilac with white eye. H. H. A. 6 in. .... Pkt. \$0.05

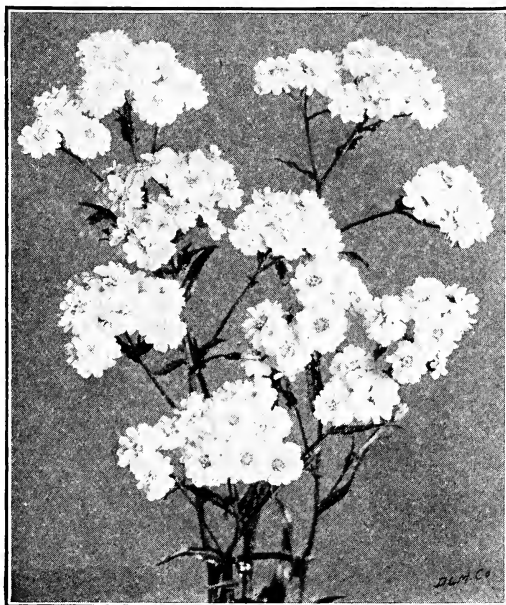
**ABUTILON** (Flowering Maple). Handsome little bushes; bears pretty drooping bell-shaped flowers on slender stems. The plants flower profusely and almost constantly. Blooms readily from seed the first Summer. G. P. 2-3 ft.

**New French Hybrids.** Magnificent mixed. .... .15

**ACHILLEA, The Pearl** (Yarrow). An abundance of charming, large, double, pure white flowers throughout the Summer; splendid for cutting; excellent florist's flower; of easy culture. H. P. 2 ft. .... .10

**ACONITUM Napellus** (Monk's Hood). Long spikes, curiously shaped blue and white flowers. Plant in a shady position. Seed germinates slowly. H. P. 3 ft. .... .05

**ADLUMIA** (Alleghany Vine). Feathery foliage like the Maidenhair Fern. Flowers tube-shaped, delicate rose, pink and white completely cover the plant. Desirable for covering trellises, stumps of trees, etc. H. P. C. 15 ft. .... .10



Achillea, The Pearl



**AGERATUM (Floss Flower)**

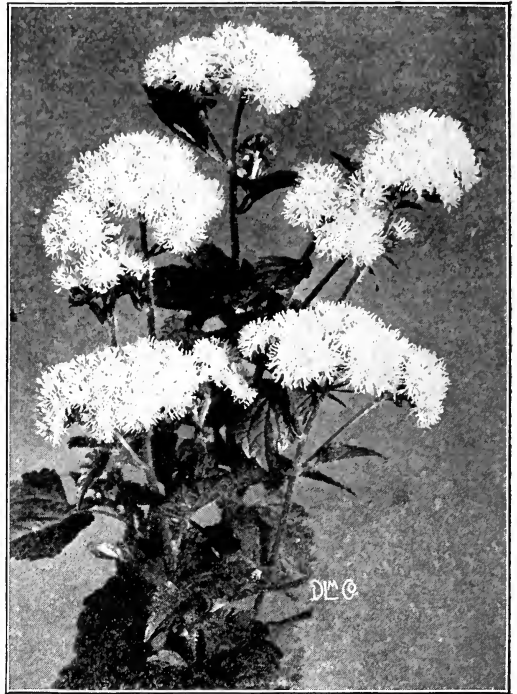
One of the leading plants for beds or borders. Rapid growers, early and constant bloomers, and their bright flowers are produced in the greatest profusion. H. A.

- |                                                                                                                                                                                                                               | Pkt.   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>Lasseauxi.</b> Rose-colored flowers growing to the height of 1 ft. ....                                                                                                                                                    | \$0.05 |
| <b>Little Blue Star.</b> The best of all dwarf flowering sorts. The small plants are almost completely covered with the lovely clusters of light blue flowers with dark red center, changing to pure light blue. 4-5 in. .... | .10    |
| <b>Blue Gem.</b> Large dark blue flowers. 6 in. ....                                                                                                                                                                          | .05    |
| <b>Purity.</b> A beautiful variety. Large, pure white flowers of finest form. 9 in. ....                                                                                                                                      | .10    |
| <b>Mixed.</b> All sorts. .... ¼ oz. 15c. ....                                                                                                                                                                                 | .05    |
| <b>AGROSTEMMA (Rose Champion).</b> Mixed. Bright colored flowers on long, slender stems like a single pink; blooms the first season. Fine cut flower. H. P. 1-2 ft. ....                                                      | .05    |

**ALYSSUM**

A free-flowering annual of great beauty and utility. Easy to grow and everywhere popular. Useful for beds, vases, edgings or rockeries. The fragrant flowers may be cut constantly all Summer, others forming at once. H. A.

- |                                                                                                                                                                                                                                                                                                                                                        | Pkt.   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>Carpet of Snow.</b> The plants grow so dense and are so completely covered with the magnificent snow-white blooms that they create the impression of a beautiful carpet of snow. The best variety for beds or borders. Commence to bloom when quite small and will flower all Summer until late in the Fall. 3-4 in. .... ½ oz. 25c., oz. 50c. .... | \$0.10 |
| <b>Sweet.</b> A fine variety for cut flowers. To prevent sowing too thickly mix seed with sand before sowing. 4-5 in. .... ½ oz. 20c., oz. 35c. ....                                                                                                                                                                                                   | .05    |
| <b>Saxatile compactum (Basket of Gold).</b> Beautiful golden-yellow flowers. Desirable for rockwork. H. P. 12 in. ....                                                                                                                                                                                                                                 | .05    |



Ageratum Purity

**AMARANTHUS**

Ornamental foliage plants of striking effect. Do not grow too closely; allow room for development. T. A.

- |                                                                                                                                                                                         |             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <b>Caudatus (Love-Lies-Bleeding).</b> Blood red; drooping. 3 ft. ....                                                                                                                   | Pkt. \$0.05 |
| <b>Tricolor splendens (Joseph's Coat).</b> Scarlet, green and yellow; a fine variety. 3 ft. ....                                                                                        | .05         |
| <b>Mixed.</b> Many beautiful sorts. ....                                                                                                                                                | .05         |
| <b>AMPELOPSIS Veitchii (Boston Ivy).</b> Clings to the smoothest walls. In the Autumn the glossy leaves assume the most beautiful tints of scarlet and crimson. H. P. C. 30-60 ft. .... | .10         |



Sweet Alyssum



**ANTIRRHINUM** (Snapdragon)

A showy and useful plant, and one of the most popular flowers; useful for beds or borders. H. A.

The Snapdragon is one of our finest biennials, flowering the first year from seed. The average height of the tall sorts is about 1½ ft.

**TALL VARIETIES**

	Pkt.
<b>Luteum.</b> Bright yellow.....	\$0.05
<b>Atrococcineum.</b> Dark scarlet.....	.05
<b>Romeo.</b> Violet rose with pale lip.....	.05
<b>Firefly.</b> Scarlet and white.....	.05
<b>Album.</b> Pure white.....	.05
<b>Tall Mixed.</b> All sorts..... ½ oz. 30c.	.05
<b>New Giant-flowered.</b> Mixed..... ¼ oz. 25c.	.10
<b>Tom Thumb.</b> Mixed. 10 in.....	.10

**AQUILEGIA** (Columbine)

Bears countless numbers of exquisite blossoms. Few hardy perennials are as easily raised from seed. H. P.

<b>Coerulea Sepal.</b> White with lilac on tip of petals. 3 ft.....	Pkt. \$0.10
<b>Chrysantha.</b> Golden yellow. 3 ft.....	.10
<b>Skinneri.</b> Crimson and light green. 3 ft..	.10
<b>Jaetscham.</b> Yellow, long red spurs. 3 ft..	.10
<b>Flabellata nana alba.</b> White. 1 ft.....	.10
<b>Single Mixed.</b> All colors. 2 ft.....	.05
<b>Double Mixed.</b> All colors. 2 ft.....	.05

**ARISTOLOCHIA sipho** (Dutchman's Pipe).

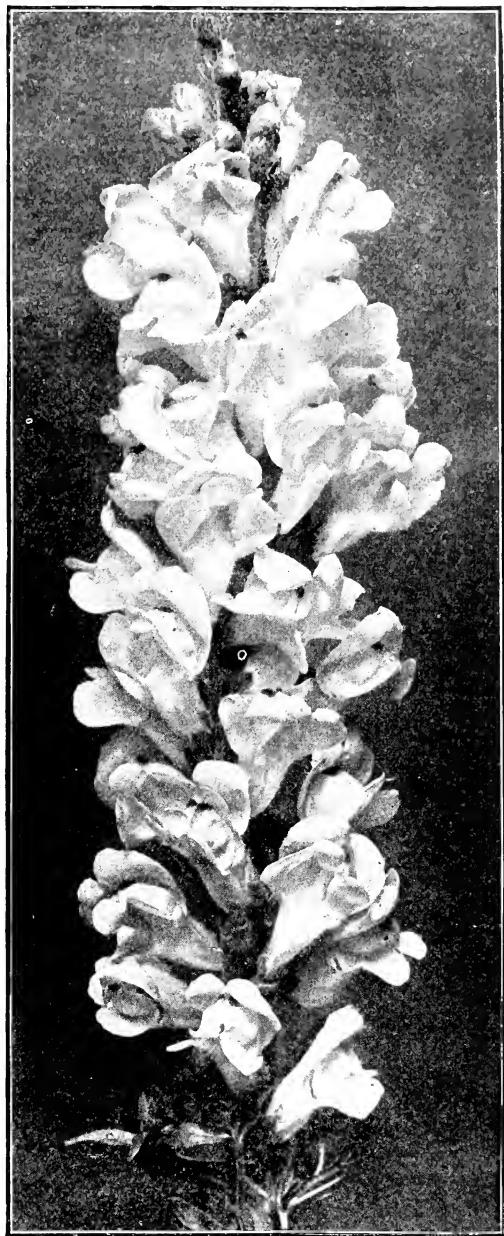
Rapid, luxuriant growth; large, heart-shaped leaves; curious brown-purple flowers, thought to resemble pipes. H.

P. C. 30 ft..... .10

**ASPERULA odorata** (Sweet Woodruff).

Grown for the fragrant leaves and stems, which, when dried, have a sweet odor and are used for putting among clothes. H.

P. 6 in..... .05



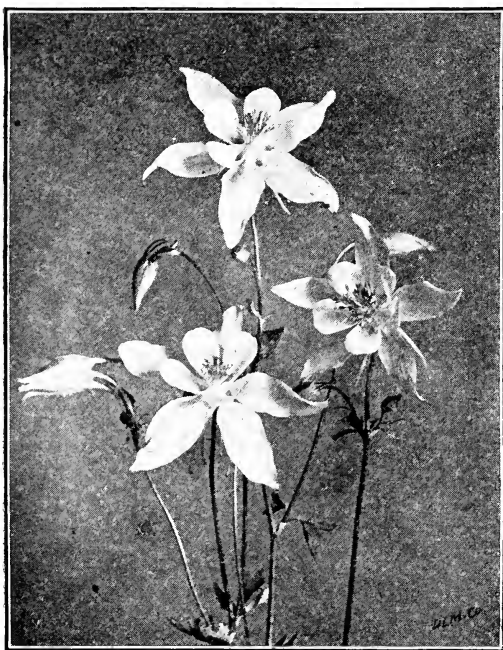
Antirrhinum

**ASPARAGUS Sprengeri** (Emerald Feather). Pkt.

One of the best plants to grow in suspended baskets. Remains fresh a long time after planting. T. P. 4-6 ft. .... \$0.10

**Plumosus nanus** (Climbing Lace Fern).

Of wonderful beauty; the leaves are bright green, gracefully arched, surpassing the Maidenhair Fern in grace, texture and richness of color. T. P. 3-4 ft. .... .20



Single Flowered Aquilegia

See page 50 for Novelties and Specialties  
in Flower Seeds



# NOLL'S ASTERS

(Queen Margaret)

Asters are of very easy culture. Seed can be grown in the open ground in May, for blooming during September and October. For earlier blooms sow in March or April in hotbed, coldframe or boxes in the house. Do not cover seed more than one-quarter of an inch. H. A.



Truffaut's  
Peony-Flowered  
Aster—See page 55

## Queen of the Market

The best early Aster in cultivation. Usually in bloom two weeks before most other sorts. 1 ft.

White, Crimson, Pink, Blue	Pkt. \$0.10
Mixed. All colors.	1/4 oz. 35c., oz. \$1.00 .10

## Semple's Late Branching

Superior to any other class of late-flowering, branching Asters. Flowers large, 4 inches across, very double, and are borne on long stems. Grand for cutting. 18-24 in. Pkt.

White, Lavender, Shell Pink	Pkt. \$0.10
Mixed	1/4 oz. 30c., oz. \$1.00 .10

## Giant Comet, or Poodle

Flowers of immense size, often 6 inches across. Long, wavy twisted petals, gracefully formed into loose yet dense half globes, resembling Japanese Chrysanthemums 12-16 in.

White, Bright Rose, Dark Violet, Azure	Pkt. \$0.10
Blue, Crimson	1/4 oz. 35c., oz. \$1.25 .10
Mixed	1/4 oz. 35c., oz. \$1.25 .10

## Hohenzollern Aster

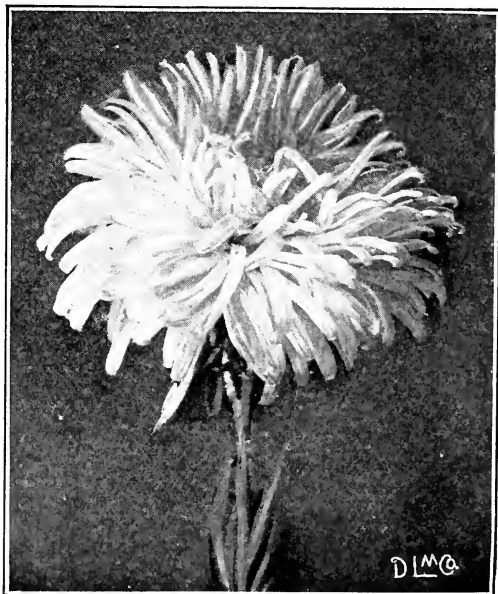
A very splendid sort for cutting; about 18 in. tall. Pkt.

White, Rose, Dark Blue	Pkt. \$0.10
Mixed	1/4 oz. 85c. .10

## Noll's Improved Victoria

Our strain of this type is undoubtedly the finest in existence. Flowers large, perfectly double, each petal elegantly overlapping and beautifully imbricated; plants of pyramidal form. 18 in. Pkt.

Pure White, Apple Blossom, Crimson, Light Blue, Violet	Pkt. \$0.10
Mixed	1/4 oz. 75c. .10



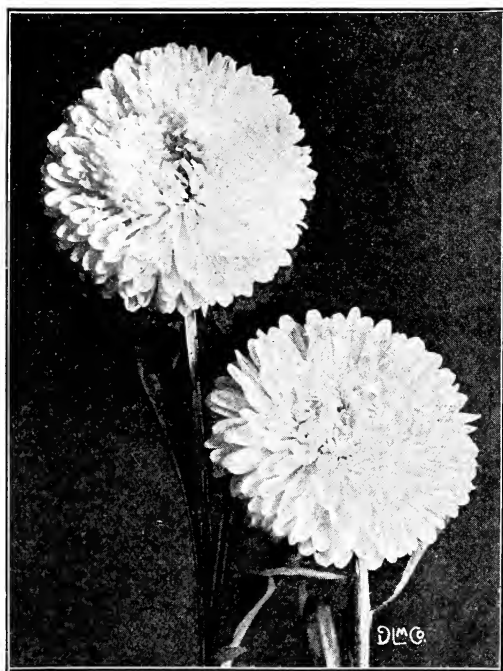
Giant Comet Aster

## ASTERS—Continued

**Noll's Mammoth Chrysanthemum-Flowered**

They combine more points of merit than any other one class of Asters, bearing extraordinarily large semi-spherical double flowers, averaging five inches in diameter, of the most symmetrical form. They are of great durability, the petals being of splendid substance, withstanding storms, rains and hot suns better than any other Aster. 20 in.

<b>White.</b> Handsome, pure satiny white, fine form.....	Pkt. \$0.10
<b>Scarlet.</b> Magnificent, glowing crimson scarlet.....	.10
<b>Peach Blossom.</b> Extra fine, lovely bright rose.....	.10
<b>Light Blue.</b> Beautiful light azure blue....	.10
<b>Mixed.</b> All colors.....	¼ oz. 75c., oz. \$2.50 .10



Purity Aster

**The Vick Asters**

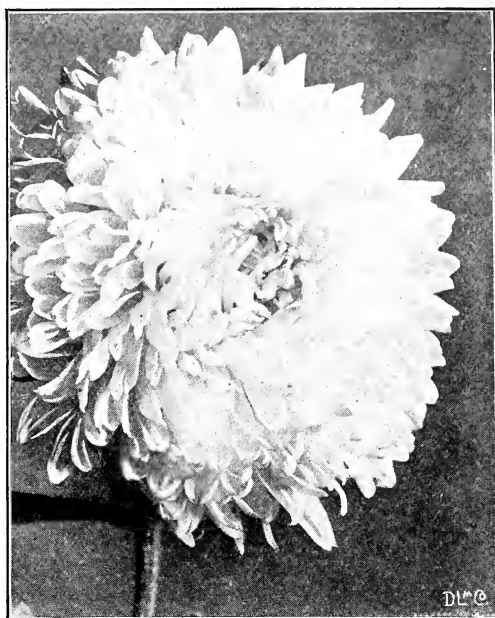
Unsurpassed for cutting.

<b>Purity.</b> White.....	Pkt. \$0.10
<b>Daybreak.</b> Pink.....	.10
<b>Sunset.</b> Light pink.....	.10

**Truffaut's Peony-Flowered**

Flowers very large, from 3 to 4 in. in diameter; stems long and wiry. 18-24 in. Pkt.

<b>Pure White; Gravelotte, blood red; Pink..</b>	\$0.10
<b>Mixed.....</b>	¼ oz. 40c. .10



Noll's Mammoth Chrysanthemum-Flowered Aster

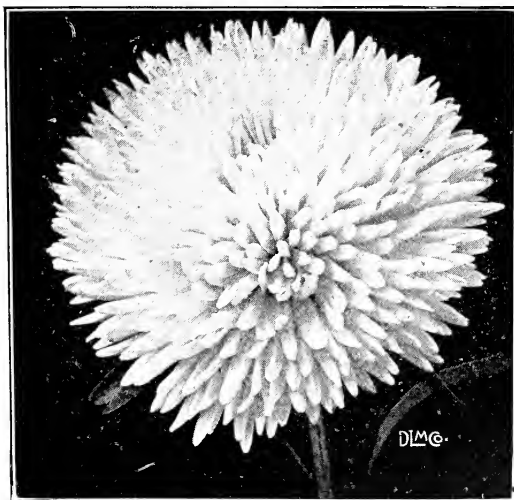
**Ostrich Feather**

Resembles Giant Comet in form, differing in a greater freedom of bloom. Flowers have more loosely arranged petals and are from 5 to 7 in. in diameter. 12-16 in. Pkt.

<b>Finest Mixed.....</b>	\$0.10
--------------------------	--------

**Noll's Choice Varieties Mixed**

Comprises over 80 sorts of Asters and is the best mixture known for general planting. It is made by ourselves and includes the choicest kinds. Pkt. 5c., ½ oz. 25c., ¼ oz. 40c., oz. \$1.25.



Daybreak Aster





Noll's Superb Large-Flowered Balsam

**BALLOON VINE** (Love-in-a-Puff). A rapid grower; bears small white flowers followed by inflated seed pods. T. A. C. 10 ft.. \$0.10 Pkt.

### NOLL'S SUPERB LARGE-FLOW- ERED DOUBLE BALSAM

This is the finest strain yet attained, the magnificent flowers being of immense size and faultless form. More uniformly double than any other strain. The plants should be transplanted once or twice to assure a greater number of flowers. H. A. 18-24 in.

**Double White, Rose, Yellow, Scarlet and Lavender** . . . . . Oz. 75c. \$0.10 Pkt.  
**Double Mixed** . . . . . Oz. 70c. .05

**BABY, or FAIRY ROSES.** Blooms in three months after sowing. Seed sown in February in the house will bloom in June in the open ground, and continue throughout the season. Flowers mostly double, borne in clusters. Fine for beds or borders. Soak seed in warm water 48 hours before sowing. H. P. 15 in. .10

**BEGONIA.** They take rank with Geraniums and Coleus as bedding plants, doing as well in full sunlight as in partial shade. Easily raised from seed. T. P. 8-12 in.

**Vernon.** Fibrous rooted. Bright orange-carmine flowers. .10

**Tuberous-Rooted.** Double and single, mixed. All colors. .20

**BIRD OF PARADISE FLOWER.** Flowers rich golden yellow, 2½ in. in diameter, produced in large trusses; the incurved stamens and pistils are of a beautiful bright scarlet, and are indeed striking. Soak seed in warm water for 24 hours before planting and start indoors or under glass in light soil. G. P. 24-36 in. . \$0.10 Pkt.

**BITTER SWEET** (Wax Work). Handsome large leaves; produces yellow flowers in May and June; clusters of ornamental orange-capsuled fruit in Autumn. H. P. C. 15-25 ft. . . . . .05

**BOLTONIA Asteroides** (1000 to 1 Aster). Innumerable white flowers nearly an inch across. Flowers from July until October. H. P. 3-5 ft. . . . . .10

**BROWALLIA** (Amethyst). Completely covered during Summer with innumerable flowers. Sow in August for Winter blooming. G. P.

**Speciosa major.** Brilliant ultramarine-blue flower, larger than any other variety. 1 ft. . . . . .10

**Mixed.** Many colors. 18 in. . . . . .05

**BUTTERFLY RUNNER BEAN.** The large wings are pure, spotless white, standard salmon rose. These two colors make a most extraordinary contrast, which is very striking. Fine for arbors and trellis, surpassing the Scarlet Runner in abundance of bloom. A. C. 12-15 ft. . . . . .10

**BUTTERFLY FLOWER** (Poor Man's Orchid). Easily grown, bearing quantities of gay butterfly-like flowers, beautifully marked. For Winter blooming in pots this is one of the most desirable of all flowers. H. A. 18-24 in. Mixed colors. . . . . .05



Butterfly Flower, Mixed Colors

**CALCEOLARIA.** Highly colored, pocket-like flowers, produced in great profusion. Sow seed on surface of light soil or leaf mold. G. P. 1 ft.  
**Fine Mixed Hybrids.**..... \$0.20

## CANDYTUFT

Requires little care, and blooms all Summer. Sow in early Spring and again in August. H. A. 6-12 in.

**Empress.** Large white trusses of branching habit, very free-blooming. Recommended for bedding and also fine as a cut flower. Pkt.  
 Oz. 25c. \$0.05

**Little Prince.** This charming dwarf variety is in great demand for borders and is a very satisfactory and pleasing bedder. The bloom is pure white; plant of compact growth and a profuse bloomer.... Oz. 30c. .05

**Carmine.** Large umbels, rich carmine.... .05

**Purpurea.** The very darkest crimson. A handsome strain..... .05

**Lilacina.** Purple. 12 in..... .05

**Queen of Italy.** Fine pink flowers. 6 in.... .10

**Mixed.** All sorts..... Oz. 25c. .05

**Dwarf Hybrids.** Mixed..... .10

## HARDY PERENNIAL CANDYTUFT

**Semperflorens.** Pretty white flowers, evergreen foliage..... .10

**Gibraltarica.** Lilac, shaded to white..... .10

## CANNA (Indian Shot Plant)

Produce a rich effect with their broad and massive foliage and spikes of brilliant flowers. Pierce shell of the seed and soak in warm water 24 hours. Blooms from seed the first year. T. P. 2-5 ft.

**Crozy's Hybrids.** Magnificent flowers, thick leathery foliage. Makes a splendid display when used in beds or for backgrounds..... Pkt.  
 Oz. 25c. \$0.10

**Fine Mixed.** All colors. Oz. 15c., ¼ lb. 50c. .05

## CALENDULA (Cape, or Pot Marigold)

Will grow in almost any soil. Blooms abundantly and continuously; of easy culture; indispensable for garden or pot culture. H. A. 1 ft.

**Prince of Orange.** Flowers often 4 inches across, perfectly double, of the most brilliant orange color. A profuse bloomer.... Pkt.  
 \$0.05

**Mixed.** Many beautiful double sorts. Oz. 15c. .05

## CALLIOPSIS

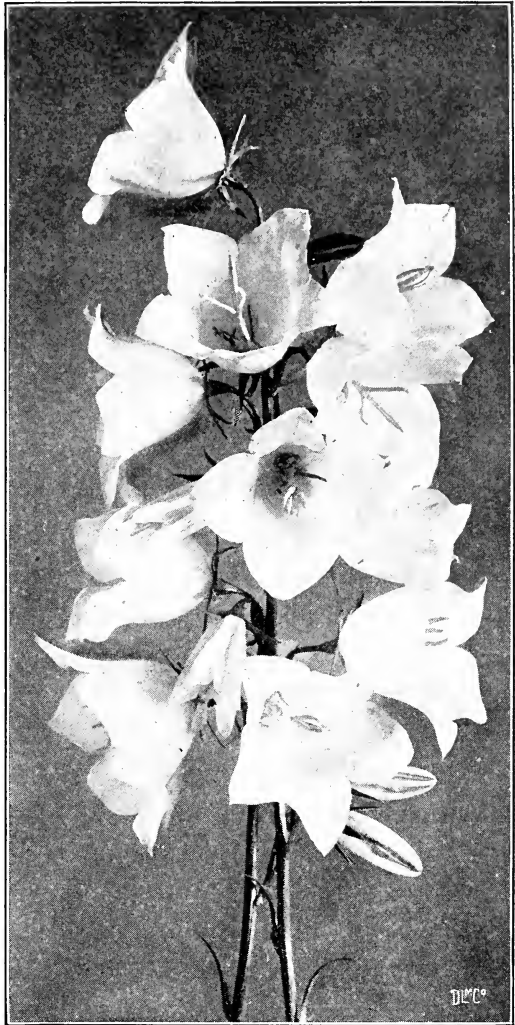
Thrives in any soil and requires scarcely any care. Blooms until frost. Fine cut flower. H. A. 12-30 in.

**Hybrida superba.** Forms dense bushes, covered the entire Summer with the beautiful flowers, in all shades of orange yellow to the deepest velvety brown. Desirable for groups, borders and pots. 18 in..... Pkt.  
 \$0.10

**Drummondii** (Golden Wave). Gold and brown. 1 ft..... .05

**Mixed.** All sorts and colors.... Oz. 20c. .05

**CANARY BIRD FLOWER.** Finely cut leaves, and bears a profusion of beautiful golden-yellow fragrant flowers. A pretty vine for a sheltered position. T. A. C. 10 ft..... Oz. 25c. .05



Campanula Carpatica

## CAMPANULA (Bellflower, Canterbury Bell)

Bears a great profusion of attractive bell-shaped flowers. Thrives in almost any soil. H. P. 1-2 ft. Pkt.

**Carpatica.** Large blue or white flowers. Blooms the entire season. 6-12 in..... \$0.05

## MEDIUM SINGLE

**Blue** (True Canterbury Bell). H. B..... .10

**White.** Very pretty for contrasts..... .10

**Rose**..... .10

**Mixed**..... .05

## MEDIUM DOUBLE

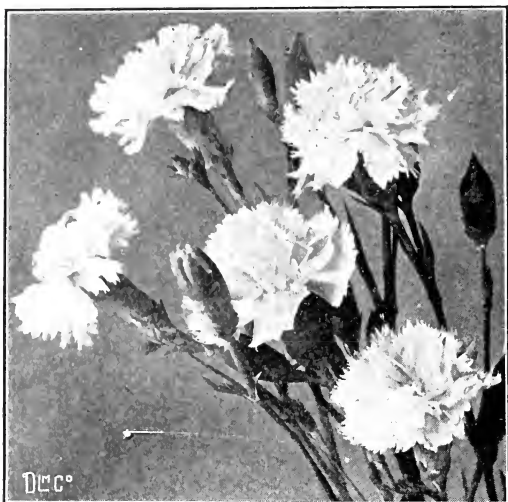
**Blue.** Summer and Fall bloomers..... .10

**White.** Appearance waxy..... .10

**Rose**..... .10

**Mixed**..... .05





Giant Marguerite Carnation

### GIANT MARGUERITE CARNATION

All colors, finest mixed. Blooms in a few weeks from sowing. Makes a magnificent display in the open garden. This strain is the most compact and floriferous. For bedding or borders are unsurpassed and are very easily managed, doing exceedingly well in almost any soil, but amply repay attention. Almost every color is represented to some extent, and all are delightfully fragrant. Plant grows upright and needs no support. Flowers double, measuring about 3 inches. H. A. 18 in. Pkt.

**Giant White**..... \$0.10

**Giant Scarlet**..... .10

**Giant Mixed**..... ¼ oz. 50c. .10

**Early Dwarf Vienna**. A very fine variety of Carnation for indoor culture. Excellent for cutting. H. A. 1 ft.

**Double White**..... .10

**Double Mixed**..... .10

**Double Red (Grenadin)**. Valuable for outdoor culture. 2 ft. Bright scarlet flowers .10

**CATCHFLY**. Forms compact, round bushes; produces dense umbels of red, pink or white flowers. Plant covered with a glutinous moisture, hence the name. H. A. 12 in. **Mixed**. All colors..... .05

### CELOSIA (Cockscomb)

Of easy culture and should be planted in every garden, large or small. The dwarf flowering varieties are excellent for borders and the taller sorts for backgrounds. Blooms the entire Summer. H. A. Pkt.

**President Thiers**. Bears large crimson combs. Excellent for borders. 1 ft. .... \$0.10

**Cristata, Dwarf Mixed**. The best dwarf varieties. 1 ft. .... .05

**Thompson's Magnifica**. The most perfect strain of ostrich-plumed Cockscombs. Color ranges from clear yellow to blood-red in the most magnificent shades. 2-3 ft. .10

**Spicata**. Flowers pink, shading to silver-white. 2½ ft. .... .05

**Plumosa**. One of the finest sorts. Blooms in late Summer and Autumn. Produces large showy plumes. T. A. 2-3 ft. Crimson, orange and mixed. .... .10

### CENTAUREA CYANUS

(Blue Bottle, Ragged Sailor, Korn Blume, Corn Flower, Bluet, Bachelor's Button, etc.)

Very free-flowering. Favorite flowers for cutting, especially for boutonnières. H. A. 2-3 ft. Pkt.

**Blue Emperor**. Fine bright blue.... Oz. 15c. \$0.05

**Double Blue**. A fine cut flower; a very few make a fine bouquet..... ¼ oz. 30c. .10

**Rose**. A very distinct shade. 1½ ft. .... .50

**Mixed**. Single and double varieties. ½ oz 20c., oz. 35c. .05

### CENTAUREA, GIANT SWEET SULTAN

(Centaurea Imperialis)

Will keep for at least a week if cut when just about to open. Sow every three weeks for a constant succession of magnificent blooms the entire Summer and Fall. Blossoms about 5 inches across. H. A. 4 ft.

**Chameleon**. Pale yellow when opening, turning to a beautiful rose color. .... Pkt. \$0.10

**Odorata**. Light blue, highly fragrant. .... .10

**Margaritae**. Snow-white blossoms. Extra large flowers on stems about 2 ft. long. The blossom has a lasting fragrance and is in great demand for cut flowers. .... .10

**Suaveolens (Grecian Corn Flower)**. Brilliant yellow, sweet scented. .... .10

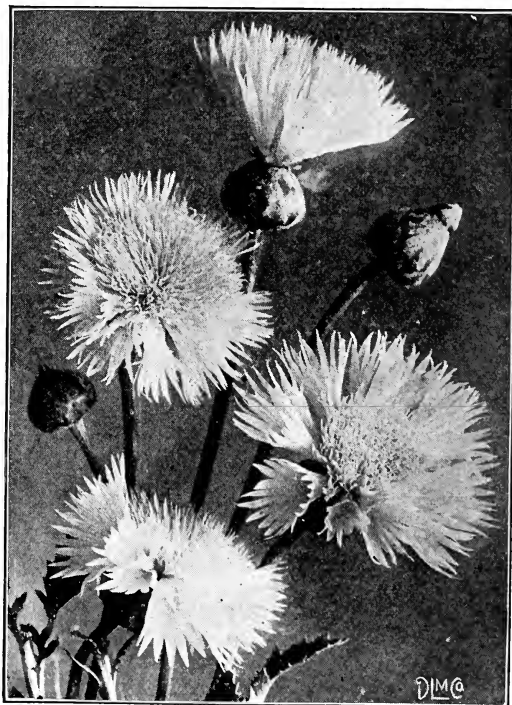
**Imperialis, Mixed**. The above sorts. .... .05

**Americana**. This is one of the finest sorts. The plants are large and bushy, bearing lilac-purple flowers. H. A. .... .10

**CENTAUREA (Dusty Miller)**. Extensively used for borders, margins, bedding and hanging baskets. H. H. P. 1 ft..

**Candidissima**. Silvery white cut foliage.. .10

**Gymnocarpa**. Silver-gray foliage. .... .10



Centaurea, Giant Sweet Sultan

## CHRYSANTHEMUM

Extremely showy and effective Summer bloomers, flowering freely through the Summer months until cut down by frost. For early blooming start seeds indoors the latter part of March. Transplant to the garden when danger of frost is past. H. A. 2-3 ft.

**Bridal Robe.** Very profuse bloomer. A Pkt.  
bed in full bloom resembling a drift of  
snow..... \$0.10

**Coronarium. Double White.....** .10  
**Double Yellow.....** .10  
**Double Mixed.....** .05

**Tricolor. Single White.....** .05  
**Single Yellow.....** .05  
**Single Scarlet.....** .05  
**Single Mixed.....** .05

The Tricolor sorts have beautiful rings or eyes of colors.

**Chinese and Japanese, Large-Flowering.**  
Seed sown early in the house will produce plants that will bloom the first year. Highly recommended. Many blooms are single or semi-double, but all are excellent for cutting. H. P. 2-3 ft..... .20

**Frutescens (Paris Daisy or French Marguerite).** Large, star-shaped white flowers, with yellow center. H. P. 1 ft..... .10

**CHINESE LANTERN PLANT, or Japanese Winter Cherry.** Produces in great abundance balloon-like husks about 3½ in. across, which at first are bright green, changing later to yellow, then orange and scarlet, greatly resembling at the last miniature Chinese lanterns when lighted. H. A. 2 ft..... .10



Cineraria

**CINERARIA (Cape Aster).** Our strain of Pkt.  
Cineraria seed is unsurpassed for beautiful variety, richness of color, as well as perfection of form and size of flower. G. P. 18 in.

**Noll's Choicest Hybrids.** Our superior strain..... \$0.25

**CLARKIA.** A profuse bloomer. Colors red, white, purple, etc. H. A. 18 in.  
**Fine Mixed.** Double and single varieties .05

## CLEMATIS

One of the best climbers for trellis, veranda, etc. H. P. C. 15-20 ft.

**Paniculata (Virgin's Bower).** Star-like white Pkt.  
blossoms, so densely produced as to completely hide the glossy green leaves; never troubled by insects. Flowers very fragrant..... \$0.10

**Jackman's Hybrids.** Large-flowering varieties. Colors purple, red, white, etc. .... .10  
**Mixed.** All sorts..... .10

**COBAEA (Cathedral Bells).** One of the handsomest and most rapid growers. Flowers large, bell-shaped and a profuse bloomer. Place seed edgewise when planting. A. C. 30 ft.

**Scandens.** Rich purple..... .10  
**Mixed.....** .10

**COFFEA ARABICA (Coffee Tree).** Shrubby, bushy habit. The coffee of commerce. Seeds should be sown in boxes indoors about January and planted out when all danger of frost is past. G. P. 5 ft..... .10



Clematis, Jackman's Hybrids

Thousands of customers use our seeds and are satisfied. Be one of the satisfied



## COLEUS

The handsomest foliage plant obtained from seed, largely used for beds or borders. The colorings on the leaves are remarkably rich and varied, ranging through all colors, variously combined and delicately blended. T. A. 12-24 in.

**Mammoth Rainbow.** Large leaves, often Pkt.  
10 in. in length and 8 in. across, crumpled  
and serrated in various ways. A bed looks  
like a mammoth rainbow, so rich are the  
colors..... \$0.15  
**Fine Mixed.** Many fine varieties..... .10

## CONVOLVULUS (Morning Glory)

Easily grown in any situation. One of the most popular climbing plants. Almost every color is represented and for covering arbors or trellis is entirely satisfactory. H. A. C.

**Major.** This is too well known to need a Pkt.  
description. One seldom finds a more satis-  
factory vine. 12-15 ft. Mixed colors

Oz. 10c. \$0.05  
**Minor** (Trailing, or Dwarf Morning Glory).  
An excellent bedder, completely covers  
the ground; the large flowers are of many  
brilliant colors. 1 ft. Tricolor, mixed.... .05

**COREOPSIS lanceolata.** The bright yel-  
low flowers are produced freely all Sum-  
mer. Will grow and thrive anywhere.  
H. P. 2-3 ft..... .05

## CYPRESS VINE or STAR FLOWER

(Ipomoea Quamoclit)

For trailing upon a light ornamental trellis this cannot be excelled. The star-shaped blossoms are produced in profusion and the fine cut foliage of a pleasing light green is adapted to ornamental work, besides if planted fairly thick will make a dense screen of exquisite Fern-like foliage and flowers. T. A. C. 10-15 ft.

**Scarlet.** Scarlet flowers in great profusion. Pkt.  
Oz. 25c. \$0.05  
**White.** White flowers..... Oz. 25c. .05  
**Mixed.** The above in splendid mixture...  
Oz. 20c. .05



Daisy, the Shasta



Cosmos—See page 61

## DAHLIA

Seed planted early in the Spring will produce plants that will give abundant blooms the first Summer. As easy to grow as a Zinnia. H. H. P. 2-5 ft.

**Large-Flowered, Double Mixed.** A very Pkt.  
choice selection from named double-flower-  
ing varieties in finest mixture. 2 pkts. 25c. \$0.15  
**Double Mixed.** Very fine..... .10  
**Single Mixed.**..... .10

## DAISY (Bellis)

Seed sown in early Spring will bloom the first Summer, and continue for years if given slight protection during the Winter. Should be grown in partial shade. H. P. 3-6 in.

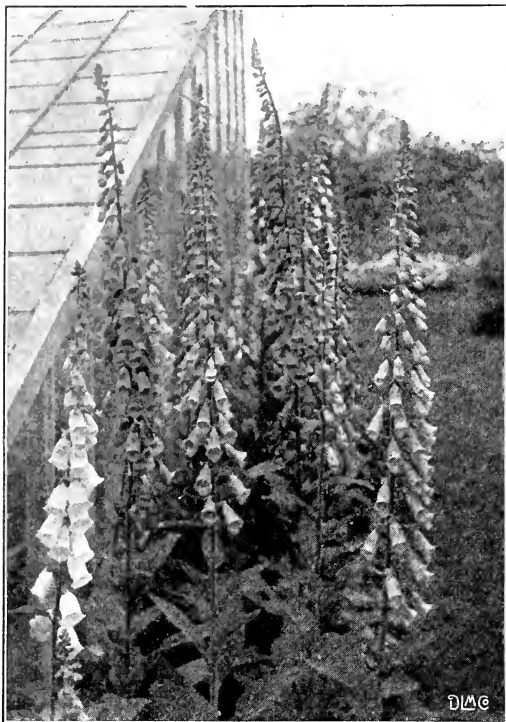
**Giant Red.** Glowing red, shaded rose, Pkt.  
perfectly double..... \$0.10  
**Giant White.** Large double, pure white .10  
**Snowball.** Long stems, large double  
white flowers ..... .10  
**Giant Double Mixed.** Including all  
the above ..... .10  
**The Shasta.** Excellent for bedding or  
cut flowers. Flowers white, 3 to 4 in.,  
across on stems 18 in. long. Blooms  
all through the Spring and Summer  
months. 3 ft..... .10

**DATURA** (Trumpet Flower, Angel  
Trumpet). For a showy plant the  
Datura is excellent. The grand  
trumpet-shaped flowers measure  
6 to 9 in. in length and nearly  
6 in. across and form two distinct  
trumpets, one growing within the  
other. H. H. A. 3 ft.....

**Cornucopia** (Horn of Plenty).  
Flowers white and purple, very  
fragrant..... .05







Digitalis

**DIGITALIS (Foxglove)**

Colors varied and beautiful. The spikes of bloom are produced in abundance and make a brilliant display among shrubbery. Very easy to grow, succeeds everywhere. H. P. 3-4 ft.

- |                                                        |                  |
|--------------------------------------------------------|------------------|
| <b>Purple.</b> The best known.....                     | Pkt. \$0.05      |
| <b>White.</b> Very pretty and attractive.....          | .05              |
| <b>Rose.</b> A very fine shade.....                    | .05              |
| <b>Yellow.</b> Long spikes of bell-shaped flowers..... | .05              |
| <b>Mixed.</b> All colors.....                          | 1/4 oz. 15c. .05 |
| <b>Gloxiniaeflora.</b> Purple, white and rose....      | .05              |

**Mixed.** This strain has long spikes bearing handsome Gloxinia-like flowers....

- |                                                                                           |                  |
|-------------------------------------------------------------------------------------------|------------------|
| <b>Maculata superba.</b> A splendid, spotted strain.....                                  | 1/4 oz. 20c. .05 |
| <b>Monstrosa.</b> Splendid mixed. Long spike, bearing flowers of exquisite beauty. 4 ft.. | .10              |

**DOLICHOS (Hyacinth Bean).** A rapid grower, flowering freely in erect racemes, followed by ornamental silvery seed pods. H. H. A. C. 10 ft.

**Daylight.** The best form of this beautiful climber. Bold spikes of pure white flowers, resembling the Sweet Pea in shape. The broad silvery white seed pods are almost as ornamental as the bloom

- |                                  |              |
|----------------------------------|--------------|
|                                  | Oz. 20c. .05 |
| <b>Lablab.</b> Mixed colors..... | .05          |

**FERNS.** Sow seed in fine sifted sand and peaty loam, covering the pans with pieces of glass. Place in a shaded position and do not allow them to dry out. Seed is slow to germinate. G. P. 6-24 in.

**Extra Choice Mixed.** From a choice collection.....

**FEVERFEW (Matricaria).** Do well in almost any soil; blooms the entire Summer. Flowers double white; an excellent cut flower. Useful for bedding. H. A. 2 ft.

**Double White.**..... Pkt. \$0.05

**FUCHSIA.** Blooms the first year from seed if planted early. Handsome house plants. G. P. 8-12 in.

**Choice Hybrids.** Single and double sorts, mixed..... .20

**ESCHSCHOLTZIA (California Poppy)**

Cheerful blooms and finely cut foliage. Sow where the plants are to remain. Flowers the entire Summer. H. A. 12-18 in.

**Thorburni.** The finest of all California Poppies. Very large flowers of a coppery-orange color..... Pkt. \$0.10

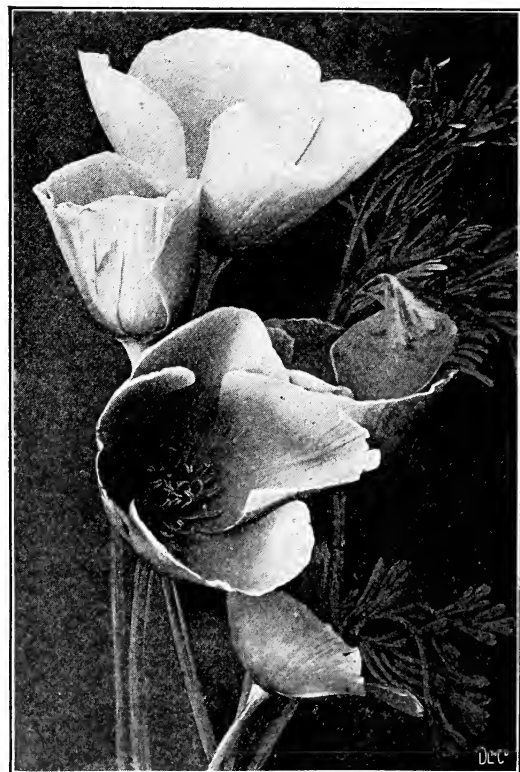
**Golden West.** Flowers 3 to 5 in. across. Bright yellow with orange blotch at base of petals..... .05

**Carmine King.** Beautiful carmine rose, the same coloring on both sides of petal..... .10

**Californica.** True California Poppy. Rich yellow..... .05

**Mixed.** Handsome colors..... Oz. 25c. .05

**EULALIA JAPONICA ZEBRINA (Pampas Grass).** Forms handsome clumps that greatly add to the appearance of any grounds, particularly after the beautiful plumes form. Leaves are banded transversely with white. H. P. 6 ft..... .10



Eschscholtzia Carmine King

**EUPHORBIA.** Suitable for beds or mixed borders. The foliage is very attractive. H. A. 2-3 ft. Pkt.

**Variegata** (Snow on the Mountain). Foliage veined and margined with white.. \$0.05

**Heterophylla** (Annual Poinsettia, Mexican Fire Plant, Painted Leaf, Fire on the Mountain). Branching bush form; glossy green leaves; flowers beautiful orange scarlet. Striking and brilliant..... .10

**EVERLASTING PEA** (Hardy Sweet Pea, Lathyrus). While these have not the fragrance of the Sweet Pea, they bloom through a long season. Excellent for covering rocks, stumps or fences, etc. The flowers make excellent bouquets. H. P. 6-8 ft.

**Splendens** (Pride of California). Large, pale, rose-colored flowers..... .10

**Mixed.** All colors.....Oz. 25c. .05

## EVERLASTING FLOWERS

Straw-like flowers that retain their form and color for years, if cut when just in bud and hung head downward to dry. Used in Winter bouquets. H. A.

**Acroclinium.** Lovely white and rosy-pink flowers. 1 ft..... Pkt. \$0.05

**Globe Amaranth** (Bachelor's Button). A single plant will produce several hundred flowers. 1 ft. Mixed colors..... .05

**Helichrysum** (Straw Flower). Fine border plant. The finest sort for Winter bouquets. 2 ft. Mixed colors..... .05

**Rhodanthe.** A lovely Everlasting. 1 ft. Mixed colors..... .05

**Xeranthemum.** Handsome double flowers on long stems. Colors mostly white, purple or blue. 1 ft. Mixed colors..... .05

**Mixed.** All the above..... .10

**EVENING PRIMROSE.** The yellow or white flowers open at sunset. Easy to grow, succeeding in almost any position. H. A. 6-8 in. Mixed..... .05



*Gaillardia grandiflora compacta*

## GAILLARDIA

One of the most valuable annuals for cut flowers. H. A. 15 in.

**Lorenziana.** Flowers double, round as a ball, of the most varied colors, borne on long, slender stems; when cut will keep over a week in water..... Pkt. \$0.05

**Lorenziana salmonea.** A fine sort, producing salmon-red flowers..... .10

**Lorenziana, The Bride.** A splendid new variety. Double, pure white flowers..... .10

**Grandiflora compacta.** A compact-growing variety, forming bushy plants. In coloring the flowers are rich and varied. H. P. 12-15 in..... .10

## GERANIUM

Grow readily from seed and produce plants that bloom the first season. In great demand for bedding. G. P. 10-18 in.

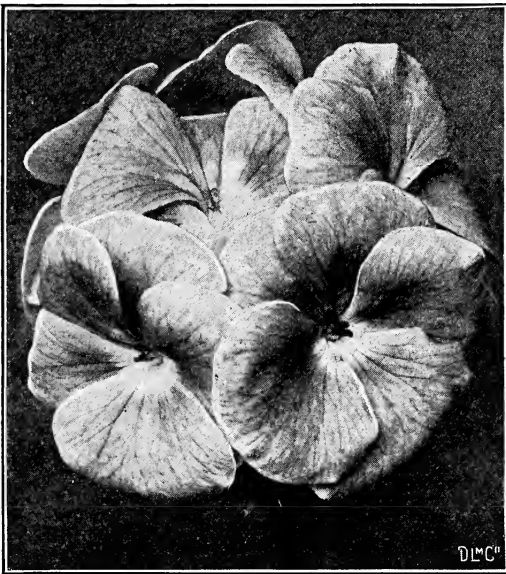
**Zonale.** Seed saved from a fine collection of the largest-flowering varieties..... Pkt. \$0.10

**Lady Washington** (Pansy Geranium). Finest mixed..... .25

**Apple Scented.** The leaves have a decided fragrance..... .20

**Double Mixed.** Seed from double-flowering varieties only, although a percentage will produce single flowers; all will be excellent

**Fine Mixed.** All sorts..... .15



*Geranium, Zonale*



**GILIA.** Flowers freely all Summer; fine for massing. H. A. 6-10 in. Pkt.

**Mixed.** Blue, white, yellow and violet. \$0.05

**GLADIOLUS.** Seed sown early will produce bulbs that will flower the first season. In the Fall take up, dry off and store away for next year's planting. See index for Gladiolus bulbs—which when planted in masses in separate colors are simply magnificent, besides being one of the best cut flowers that are grown, lasting for at least a week in water. H. H. P. 3-4 ft.

**Large Flowering.** Mixed colors. . . . . 10

**GLOXINIA.** Magnificent house plants. Heat and shade are required to obtain best results. Brilliantly colored, bell-shaped flowers in great diversity of rich colors. G. P. 12 in.

**Hybrids, Mixed.** . . . . . 25

**GODETIA (Satin Flower).** Dwarf, spreading habit of growth, flowers numerous and handsome in the most brilliant and delicate colors. H. A. 8-12 in.

**Extra Fine Mixed.** Flowers of satiny texture. All the best sorts. . . . Oz. 25c. .05

**GOLDEN ROD (Solidago).** Golden-yellow flowers in paniculata form. H. P. 3-5 ft. .05

### GOURDS (Ornamental)

A large and interesting class, producing a great variety of curious fruits, many of which are peculiarly marked. All the fruits are hard shelled, and will keep for years, exciting much attention. H. A. C. 10-15 ft. Pkt.

**Dipper.** Makes an excellent dipper. Oz. 25c. \$0.10

**Nest Egg.** Exact shape and size of a hen's egg. In great demand for use when darning stockings. . . . . 10

**Hercules' Club.** Four to six ft. long; white in color. . . . . 10

**Orange, or True Mock Orange.** Size and shape of an orange. . . . . 05

**Dish Cloth, or Sponge.** Takes its name from the membranous lining, which is useful for many household purposes. . . . . 10

**Calabash.** Used for making smokers' pipes. . . . . 05

**Small Ornamental Varieties.** All sorts mixed. . . . . Oz. 20c. .05

**Large Ornamental Varieties.** All sorts Oz. 15c. .05

**Mixed.** All kinds. . . . . Oz. 25c. .10



Gloxinia Hybrids, Mixed

**GYNERIUM argenteum (Pampas Grass).** Pkt.

A handsome Grass from South America. Has beautiful plumes that are largely used for decorative purposes. H. P. 6 ft. \$0.10

**HELIANTHEMUM (Sun, or Rock Rose).**

For rockeries. The foliage is evergreen and forms a dense mass, completely covered with the variously colored flowers. Succeeds under most adverse conditions. H. P. 4-8 in. . . . . 05

### HELIOTROPE

These well-known greenhouse and bedding favorites are highly esteemed for their fragrant flowers. G. P. 18-24 in.

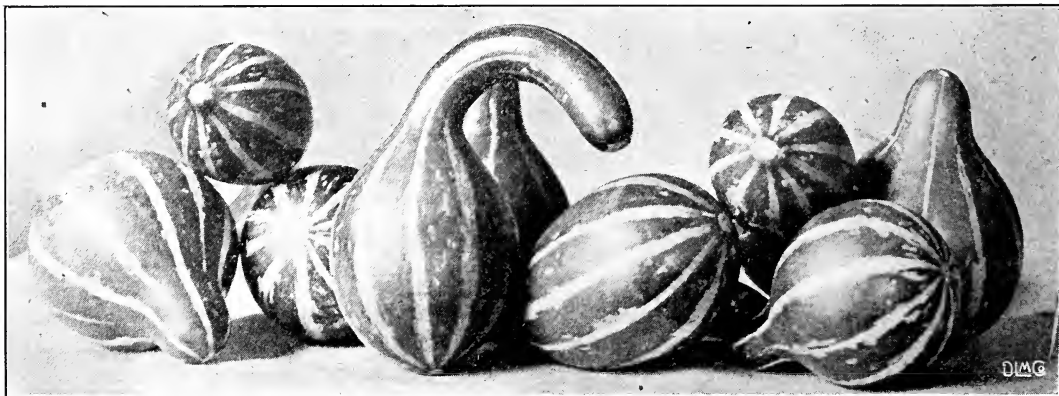
**Lemoine's Hybrids.** This bears the most Pkt.

magnificent heads of flowers, many being at least a foot across, of the most lovely hues of purple and violet. The flowers have a rich lasting fragrance. The best sort for cutting. . . . . \$0.10

**Fine Mixed.** From a large collection. . . . . 05

**HIBISCUS.** Easily grown from seed. Bears immense saucer-shaped flowers, at least 7 in. across. H. P. 4-5 ft.

**Crimson Eye.** White with crimson center .10



Ornamental Gourds

## HOLLYHOCK

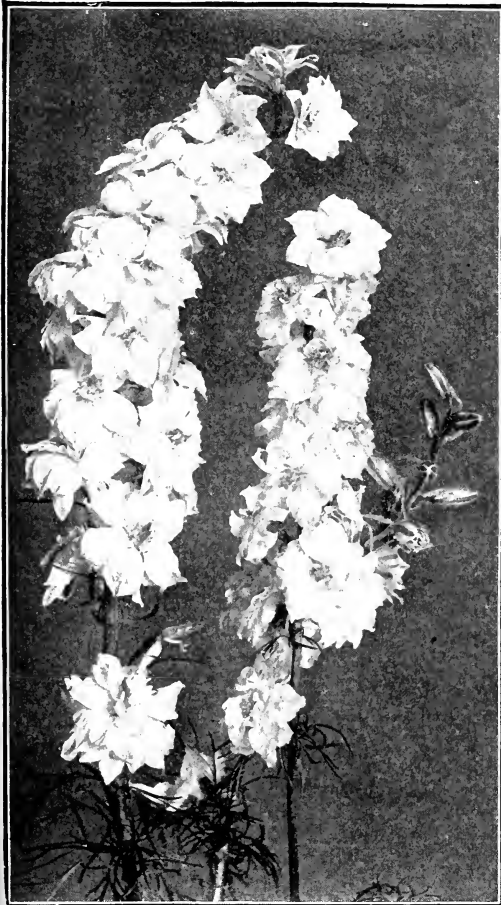
These are unexcelled for planting along buildings or fences, where a background of gorgeous flowers is desired. If sown indoors will bloom the first season. Sow outdoors in April or June for next year's bloom. H. P. 5-6 ft.

	Pkt.		Pkt.
Double White .....	\$0.10	Noll's Selected Double	
Double Pink .....	.10	Mixed. Brightest col-	
Double Salmon Rose ..	.10	ors, including opposite	
Double Scarlet .....	.10	and many others. ¼ oz.	
Double Yellow .....	.10	40c., ½ oz. 75c. ....	\$0.10
Allegheny Fringed.	The flowers are either double or semi-double and almost all the petals are beautifully fringed. Flowers measure 4 to 5 in. in diameter. The colors are shell pink, rose and red, a deeper shade at the center and delicately shaded toward the edges. The blooming season is long and the plants are really beautiful with the large wide open flowers .....		
			.10

### ANNUAL HOLLYHOCKS

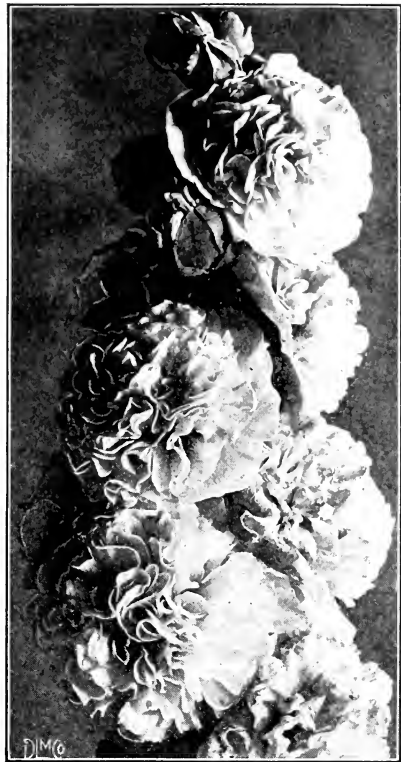
A surprisingly quick strain of annual Hollyhocks that we were fortunate to secure from an old expert gardener, who showed us that this was the very best strain procurable. Plants from seed sown under glass in March will produce flowers in July and continue until frost. Extremely vigorous at all times, sending out branches from base to summit. The immense flowers are single and the color range is wonderful in surprising combinations. H. A. 3 to 5 ft.

Mixed Colors .....	Pkt. \$0.10
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Larkspur Emperor, Mixed—See page 66

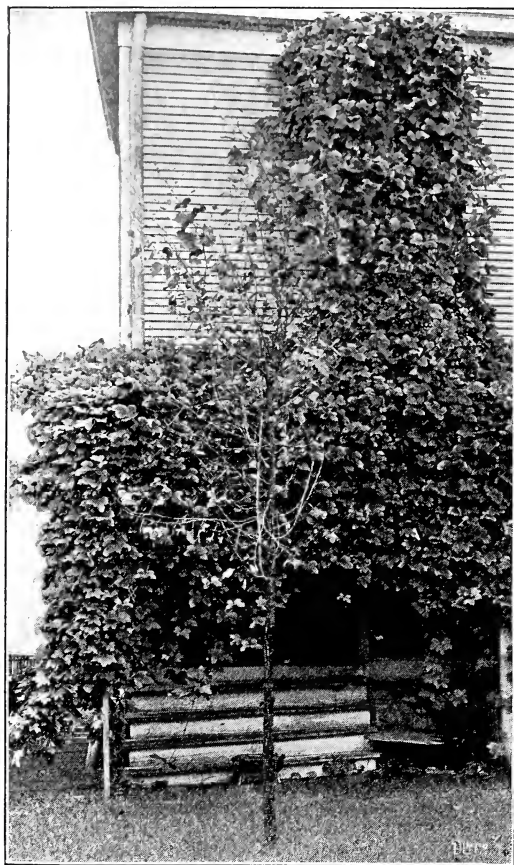
See page  
50  
for Flower  
Seed  
Novelties



Noll's Selected Double Mixed Hollyhocks

<b>HONESTY</b> (Moonwort, Satin Flower). Flow- ers purple or white. The silvery seed pods are used as house ornaments; they are very highly prized as curiosities. H. B. 2 ft. ....	Pkt. \$0.05
<b>HOP, Japanese Variegated</b> (Humulus). There is no hardier vine than this. Re- sists drought, and insects never bother it. The foliage is beautifully variegated, splashed and streaked with white. T. A. 15-20 ft. ....	.10
<b>HUNNEMANNIA</b> (Bush Eschscholtzia. Giant Yellow Tulip Poppy). Grows into a branched plant that covers the ground with a net-like ornamental fo- liage. Flowers are large, cup-shaped, 3 in. across, produced on stems 12 in. long; color bright clear yellow; petals broad and shine like satin. An excellent cut flower, will keep in water over a week. No garden should this year be without a bed or two, as it is in bloom the entire Summer. H. A. 18 in. .... ¼ oz. 20c. ....	.05
<b>ICE PLANT</b> (Mesembryanthemum). Flow- ers frosted or wax-like. Leaves of great substance. Excellent for hanging bas- kets or rockwork. T. A. 6 in. ....	.05
<b>IMPATIENS</b> (French Lady's Slipper. Zan- zibar Balsam). Blooms entire Summer and Winter. Easily grown. T. P. 18- 24 in.	
<b>Sultana Hybrids</b> . Brilliant waxy rose- pink flowers; continually in bloom. ....	.10





Japanese Kudzu Vine

- KOCHIA TRICOPHYLLA** (Burning Bush, Belvidere, Summer Cypress or Mexican Fire Plant). This highly ornamental plant is of most rapid growth, assuming a pyramidal form with horizontal branches and peculiar growth of the slender leaves in parasol-like whorls, giving the plant a distinct individuality. About September the entire plant changes from light pea green to carmine and blood red. The flowers are minute but numberless. When grown as an annual hedge or background for smaller plants nothing can equal the glory of its Autumn splendor. H. A. 3-4 ft.  $\frac{1}{4}$  oz. 25c. Pkt. \$0.10
- JAPANESE KUDZU VINE** (Jack and the Bean Stalk). This is decidedly the strongest growing climber that ever was introduced from Japan, the land noted for its curious flowers and plants. The leaves are bold in form, of brightest green and overlap each other so as to form a dense screen. Highly recommended for porches, arbors, trellises or for covering fences. H. P. 25-50 ft. 3 pkts. 25c. .10
- JAPANESE IRIS** (Flag, Fleur-de-Lis). Showy plants, used extensively in the hardy border. Flowers are enormous. H. P. 2-3 ft. Mixed..... $\frac{1}{4}$  oz. 25c. .10

## IPOMOEA

Quick, luxuriant growth. The large thick shell should have a notch filed in the seed, and be soaked in warm water before planting. H. A. 15-25 ft.

**Giant White Moonflower.** The large pure white flowers are sweet-scented and entirely cover the vine from base to summit, are open in the afternoon, and all day in cloudy weather. Plant indoors, one inch deep, keep damp in a warm place; when up, plant outdoors in a sunny position, when all danger from frost is past.... $\frac{1}{2}$  oz. 40c. Pkt. \$0.10

**Setosa** (Brazilian Morning Glory). One of the finest vines, growing to a height of 10-20 ft. with rose-colored flowers, pink star centers......05

**Bona Nox** (Good-night, or Evening Glory). Large blue flowers, open in the evening. 15 ft.....Oz. 75c. .05

**JERUSALEM CHERRY.** A useful pot plant, largely in use for Winter decorations. The bright scarlet berries are very ornamental and are produced in great abundance. G. P. 18-24 in......10

**JOB'S TEARS** (Coix lachryma). Corn-like leaves and hard seeds of peculiar appearance. An old-fashioned remedy for sore throat and teething babies. The seeds are strung on a stout thread and worn around the neck as a chain. H. A.  $1\frac{1}{2}$  ft.....Oz. 10c. .05

**KAULFUSSIA.** Used for edging and bedding, for which it is in great demand. H. A. 1 ft. Mixed colors.... $\frac{1}{4}$  oz. 20c. .05

**LANTANA.** For ribbon gardening or bedding nothing can equal this in beauty of flowers and compact growth of plant. H. H. P. 10-20 in.

**Dwarf Bedding Hybrids.** The best strain possible for bedding purposes. The flower is large, and resembles a Verbena in shape. A desirable variety......10

**Choice Mixed Hybrids.** Choice hybrid varieties......05

## LARKSPUR

There is a wide range of color in these profuse bloomers and ornamental showy annuals. They bloom best in a rather cool, moist soil. H. A. 1-2 ft.

**Emperor Branching. White.** Excellent for cutting..... Pkt. \$0.10

**Rose.** A very showy sort. 2 ft......10

**Mixed.**..... $\frac{1}{2}$  oz. 30c. .05

**Emperor, Mixed.** Bright and showy flowers in great profusion, often showing as many as 40 to 50 erect spikes......10

**Cardiopetalum.** Flowers a beautiful shade of blue. 1 ft......10

**Tall Stock-Flowered.** This is an extra double-flowering strain, containing many shades of colors in the finest mixture. The plant resembles a giant Stock in growth and is beautiful......10

**Finest Mixed.** A fine mixture  $\frac{1}{2}$  oz. 15c, oz. 25c. .05

**LAVATERA** (Annual Pkt. Mallow). Best used as backgrounds for dwarfier plants. Resemble Hollyhocks in growth. H. A. 2 ft.

**Variegata.** Large leaves, mottled yellow, very decorative. . . . . \$0.10

**Mixed.** All varieties .05

**LEMON VERBENA** (Aloysia). Grown for the delightful citron fragrance of the light green leaves. Flowers white, borne on long stems. Easy to grow from seed. No bouquet is complete without a leaf or two of this well-known favorite. G. P. 1 ft. .10

**LINARIA Cymbalaria** (Kenilworth Ivy, Coliseum Ivy, Mother of Thousands). Trailer, with small purple or lavender flowers; used for hanging baskets, rockeries or vases. H. P. 1-3 ft. . . . . .10

**Fine Mixed Hybrids.** Snapdragon-shaped flowers, very desirable for edging and rockwork. Quick to bloom. H. A. 12 in. .05

**LINUM** (Scarlet Flax). An excellent and effective showy bedding plant that is in bloom the entire season. The fine flowers, produced in great numbers, are at least an inch across. H. A. 2 ft. . . . . .05

## LOBELIA

For beds, edging or pot culture there is nothing better. Blooms very quickly from seed and continues through the season. H. A. 8-15 in.

**White Gem.** Fine, pure Pkt. white flowers. A compact growing variety for bedding purposes \$0.10

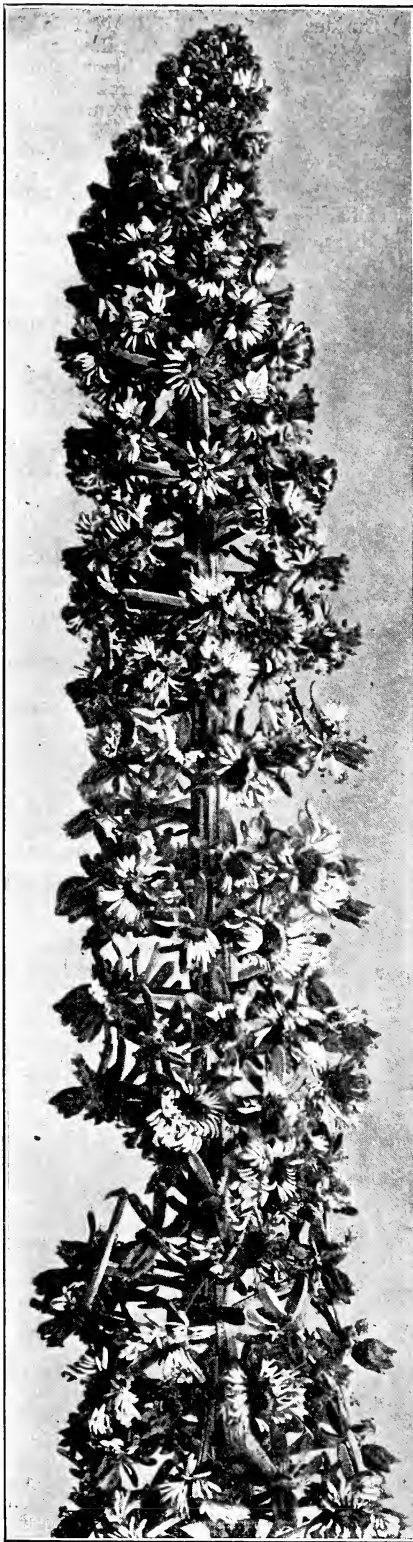
**Oculata.** Dark blue, white eye . . . . . .10

**Gracilis.** Blue, trailing; excellent for baskets .05

**Crystal Palace compacta.** Dark blue. Fine for bedding. 6 in. .10

**Mixed.** Best annual sorts .05

**Cardinalis** (Cardinal Flower). Fine border plant, brilliant scarlet flowers. H. P. . . 3 ft. .10



Mignonette

**LUPINUS.** Ornamental Pkt. and free-flowering annuals. Long, graceful racemes of rich and variously colored Pea-shaped flowers. Valuable for mixed flower beds and borders. H. A. 1-3 ft. Mixed. . . . \$0.05

**Polyphyllum Mixed** (Perennial). A very fine variety of Lupinus. 3 to 4 ft. tall. . . .05

**LYCHNIS.** Blooms year after year; requires no protection. H. P. 1-2 ft.

**Chalcedonica** (Rose Campion, Jerusalem Cross, Burning Star). Scarlet flowers. . . .05

**Haageana Hybrids.** Brilliant scarlet, orange, crimson, etc., in mixture . . . . .05

## MIGNONETTE

Seed of this popular annual can be sown at any time. If successions are made, these modest colored fragrant plants blossom outdoors until November. Sow where plants are to remain. H. A. 12-24 in.

**Paris Market.** Red Pkt. flowered. Excellent for pots. . . . . \$0.10

**Machet.** Large spikes, reddish-tinted flowers, very sweet scented and an excellent florist variety. . . . . Oz. 35c. .10

**Goliath.** Enormous trusses of double red flowers, measuring about 8 in. long by 2 in. or more in diameter. This extra fine variety is in great demand for cut flowers, on account of the delightful perfume of the magnificent flowers. . . . . .10

**Bismarck.** This is an improvement over the Machet variety. The flowers are more pyramidal in shape, better colored and highly perfumed. An excellent variety for pot culture. .10

**Allen's Defiance.** An excellent variety for cutting. Spikes of great length and very fragrant. . . . . Oz. 50c. .10

**Reseda odorata grandiflora.** Fine for open ground. Easily grown. Very fragrant. Oz. 25c. .05



**MIMOSA pudica** (Sensitive Plant). Curious and interesting. The leaves close and drop when touched or shaken. Flowers pinkish white. T. A. 18 in. .... Pkt. \$0.05

## MARIGOLD

Old favorites of easy culture. Effective when planted in groups or in garden borders. H. A.

### AFRICAN OR TALL VARIETIES

**Lemon Queen.** Flowers large and double, pure lemon color and produced in great numbers. 2 ft. .... ½ oz. 25c. Pkt. \$0.05  
**Prince of Orange.** Golden orange-colored flowers. 2 ft. .... ½ oz. 25c. .05  
**African, Tall Mixed.** Includes all colors of tall-growing sorts. 2 ft. .... Oz. 20c. .05

### FRENCH, OR DWARF VARIETIES

These dwarf, compact varieties are all attractive, being covered with hundreds of small, bright flowers. Make effective border plants.

**Gold Striped.** Velvety maroon, striped gold. 8-10 in. .... Oz. 20c. Pkt. \$0.05  
**Silver King.** Velvety brown, surrounded by pale lemon. A beautiful strain. 8-10 in. .... ½ oz. 20c. .05  
**Legion of Honor** (Little Brownie). Single golden yellow, with velvety red markings. Good for borders. .... Oz. 60c. .05  
**French Dwarf Mixed.** A mixture of all dwarf sorts. Excellent for borders. 8-12 in. .... ½ oz. 30c. .05

**MARVEL OF PERU** (Four O'Clock). Called Four-O'Clock because they open their blossoms at that hour in the afternoon. Handsome, free-flowering, sweet-scented; blossoms variegated, striped and various colors. H. A.

**Tom Thumb, Mixed.** Many colors in mixture. 1 ft. .... Oz. 15c. .05

**Hybrids, Mixed.** A fine mixture of many colors. 2 ft. .... Oz. 15c. .05

**MATHIOLA** (Night Smelling Stock). Lovely lilac-pink flowers. Fragrant at night and after showers. H. A. 15 in. .... .05



*Nicotiana affinis*

**MEXICAN PRIMROSE.** Large, beautiful pink flower with a distinct white center. In bloom almost all the time and a very desirable plant for pot or outdoors. Of easy culture. T. A. 10 in. .... Pkt. \$0.05

**MIMULUS.** Thrives best in a rather moist situation, bearing odd shaped flowers. H. A. 6-12 in.

**Moschatus** (Musk Plant). Flowers yellow .05

**Tigridus** (Monkey Flower). Very showy blotched flowers. A profuse bloomer. .05

**MOMORDICA** (Balsam Apple). Curious warted fruit of golden-yellow color, which opens when ripe. Often made into a heating liniment. Rapid and dense growth. T. A. C. 10 ft.

**Balsamina.** Apple shaped. .... ½ oz. 15c., oz. 25c. .05

**Charantia.** Long pear-shaped fruit. .... ½ oz. 15c., oz. 25c. .05

**Mixed.** Each of above. ½ oz. 15c., oz. 25c. .05

**MORNING GLORY.** This is too well-known to need a lengthy description, and one seldom finds a more satisfactory vine. Succeeds in almost any soil under adverse conditions. H. A. C. 10-20 ft.

**Imperial Japanese** (Single Mixed). Almost every color is shown in this beautiful strain; unexcelled in the number of extra large flowers produced. .... Oz. 30c. .05

**Finest Double Mixed.** While producing flowers of great beauty and substance, all the blooms will not be double, although the seed is selected from double-flowering varieties. There is always a tendency to revert. .... .10

## MYOSOTIS (Forget-Me-Not)

Succeeds best in a moist, shaded position. Have soil moderately rich. H. H. P. 6-10 in.

**Victoria.** The plant is of neat, compact growth, completely covered with beautiful bright blue flowers with yellow centers. .... Pkt. \$0.10

**Semperflorens.** The most desirable sort for pot culture. Continually in flower. .... .10

**Palustris.** The true Forget-Me-Not; flowers best the second year. .... .05

**Alpestris. Blue.** A pretty trailer. .... .10

**White.** Pure-white flowers. .... .10

**Rosea.** Rose-colored flowers. .... .10

**Mixed.** All sorts. .... .05

**NEMOPHILA** (Love Grove). Bears pretty bright flowers and is very easy to grow. Fine in pots or for edging, in rockeries, or in the garden. H. A. 1 ft. .... .05

**NICOTIANA** (Sweet-Scented Tobacco Plant). Produces a great number of fragrant flowers. An excellent border plant, flowers all Summer, and if taken up in the Fall, cut back and repotted, they will bloom all Winter. H. H. A. 3 ft.

**Affinis.** Large, pure white flowers of delightful fragrance. .... .05

**Affinis Hybrids.** All shades of red, blue, rose, etc., Very fragrant. Mixed colors .10

**NIGELLA** (Love-in-a-Mist, or Devil-in-a-Bush). Compact growth, free-flowering plant, with fine cut Fern-like foliage. Curious and ornamental flowers and seed pods. Blue and white. H. A. 12-18 in.

**Miss Jekyll.** Color pure Cornflower blue. .10

**Mixed.** .... .05

**NASTURTIIUM****TALL OR CLIMBING**

During the three or four months of the season make a better display of brilliant blossoms than almost any other plant. The tall sorts are well adapted for covering unsightly railings and to trail over rough ground. The dwarf or Tom Thumb sorts are excellent for bedding or borders. Of easiest culture. H. A.

	Pkt.	Oz.
<b>Atropurpureum.</b> Crimson.....	\$0.05	\$0.15
<b>Coccineum.</b> Scarlet.....	.05	.15
<b>Golden-Leaved.</b> Scarlet, yellow foliage.....	.05	.15
<b>Hemisphaericum.</b> Orange.....	.05	.15
<b>King Theodore.</b> Crimson, blue foliage.....	.05	.15
<b>Pearl.</b> Creamy white.....	.05	.15
<b>Prince Henry.</b> Light yellow, marbled scarlet.....	.05	.15
<b>Schulzi.</b> Scarlet, very dark foliage..	.05	.15
<b>Vesuvius.</b> Salmon, blue foliage.....	.05	.15
<b>Jupiter.</b> Deep golden yellow.....	.05	.15

**Noll's Tall Superb Large-Flowered.** This is a collection of superior large-flowered novelties of a famous English raiser and offered by us exclusively. The large flowers have a wonderful range of color and exquisite markings of great richness, distinguished by vari-colored foliage. The illustration shows some of the floral types contained in this superb large-flowered mixture.....Oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50 \$0.10

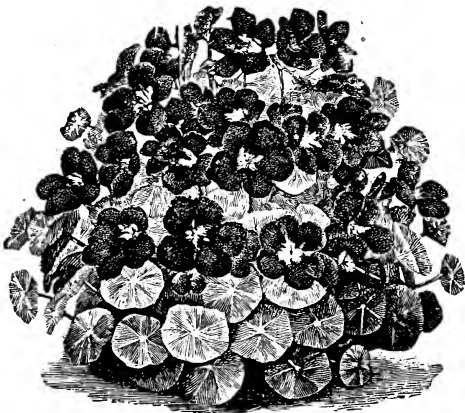
**Tall Choice Mixed.** Contains a very good mixture of all colors and cannot fail to please the most critical

Oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00 .05

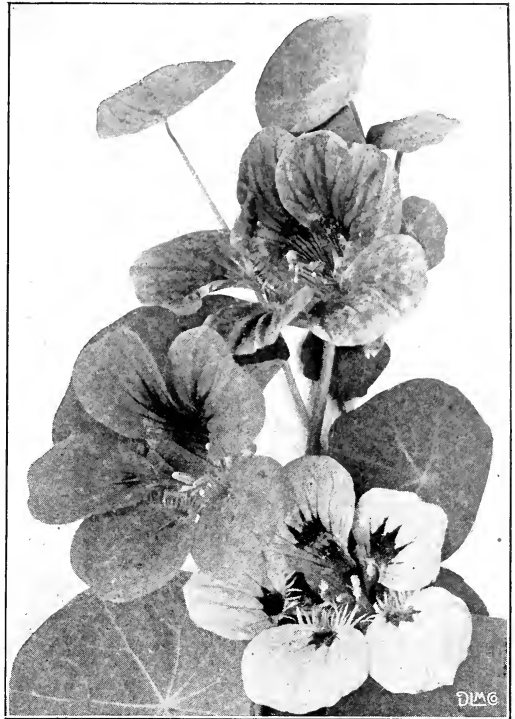
**Tall Variegated, Mixed.** A very showy mixture..... $\frac{1}{2}$  oz. 15c., oz. 25c. .05

**TOM THUMB, or BEDDING**

	Pkt.	Oz.
<b>Aurora.</b> Rosy salmon, blotched garnet	\$0.05	\$0.15
<b>Beauty.</b> Yellow and scarlet.....	.05	.15
<b>Bronze.</b> Coppery bronze.....	.05	.15
<b>Chamaeleon.</b> Crimson and yellow..	.05	.15
<b>Coccineum.</b> Light scarlet.....	.05	.15
<b>Cloth of Gold.</b> Scarlet, yellow foliage	.05	.15
<b>Crystal Palace Gem.</b> Sulphur, spotted maroon.....	.05	.15
<b>Empress of India.</b> Dark crimson, blue foliage.....	.05	.15



Nasturtium, Noll's Tom Thumb Superb Large-Flowered



Nasturtium, Noll's Tall Superb Large-Flowered

	Pkt.	Oz.
<b>Golden King.</b> Golden maroon blotches.....	\$0.05	\$0.15
<b>Golden Queen.</b> Yellow foliage.....	.05	.15
<b>King of Tom Thumbs.</b> Dark scarlet, dark leaves.....	.05	.15
<b>King Theodore.</b> Garnet, blue foliage.....	.05	.15
<b>Lady Bird.</b> Orange, spotted red.....	.05	.15
<b>Luteum.</b> Clear yellow.....	.05	.15
<b>Pearl.</b> Creamy white.....	.05	.15
<b>Prince Henry.</b> Light yellow, marbled scarlet.....	.05	.15
<b>Regelianum.</b> Purplish violet.....	.05	.15
<b>Ruby King.</b> Ruby red.....	.05	.15
<b>Vesuvius.</b> Salmon, bluish foliage....	.05	.15

**Noll's Tom Thumb, Superb Large-Flowered.** These have the same mixture of colors as the tall superb mixture, but the plants are of stocky, bushy growth and make a magnificent many-colored ribbon when planted as a border

Oz. 20c.,  $\frac{1}{4}$  lb. 50c. .10

**Tom Thumb, Choice Mixed.** All the best dwarf sorts. Oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00 .05

**Dwarf Variegated, Mixed.** This is a fine mixture of the above, and many other select varieties..... $\frac{1}{2}$  oz. 15c., oz. 25c. .05

**ORNAMENTAL GRASSES.** A fine assortment of Ornamental Grasses used for Winter bouquets in conjunction with Everlasting Flowers. Easily grown. H. P. 2-7 ft. Mixed..... .10

**OXALIS.** Free-flowering little plants with beautiful bright flowers. Colors pink, white and yellow. Fine for hanging baskets or vases. T. P. 6 in. Mixed..... .10





Noll's Non Plus Ultra Pansies

## Noll's Giant Pansies (Heart's-ease)

When grown from seed sown in the early Autumn larger plants are made, which produce larger flowers the following Spring than when grown from Spring-sown seed. For best results, sow in open ground during August, setting to permanent location in September and large plants will be formed before frost. Place dry leaves, loose straw or salt hay over the plants about 3 inches deep during the last of November; this will induce a robust growth and make splendid early-flowering plants. H. A. 5-10 in.

<b>Noll's Non Plus Ultra</b>	The Best Mixture in the world. This is a carefully prepared blending of all the Giant-Flowered Pansies of the very richest colorings and exquisite markings that can be obtained either at home or abroad. Embraces all the solid colors, striped and blotched and the edged or margined varieties of various colors; flowers delicately shaded, with clearly defined faces and distinct eyes. We have exercised great care in preparing this strain and are confident it cannot fail to give the utmost satisfaction to all lovers of this deservedly popular flower..	Pkt.	
			<b>GIANT KING OF THE BLACKS.</b> Lustrous jet black. Large flower..... \$0.10 <b>GIANT PEACOCK.</b> Rich garnet, cream and ultramarine blue, with borders or margins of white, producing an odd effect... .10 <b>GIANT PURPLE KING.</b> Deep royal purple. A more handsome coloring seldom seen..... .10 <b>GIANT RUBY.</b> A large-flowering variety with many superb shades of rich red.... .10 <b>GIANT SNOWFLAKE.</b> Pure snow white. The flowers are large and finely formed.. .10 <b>GIANT STRIPED.</b> White, blue and violet; very striking..... .10 <b>GIANT TRIMARDEAU.</b> Enormous flowers in various colors and shades. A fine dark blotch is on each of the lower petals. Finest mixed..... ¼ oz. 75c. .10 <b>Extra Large-Flowered, Fine Mixed.</b> A blending of large-flowered varieties of the most exquisite shades and colors. ½ oz. 40c., ¼ oz. 75c., oz. \$2.50. .10 <b>Choice Mixed.</b> A superior blending of choice European varieties. ½ oz. 15c., ¼ oz. 25c., oz. 75c. .05
<b>GIANT ADONIS.</b> A magnificent large flower, light blue with white center; each petal relieved with a dark blotch..		.10	
<b>GIANT FIRE KING.</b> Pure golden yellow, upper petals purple; a unique combination.....		.10	
<b>GIANT DARK BLUE.</b> A fine dark blue color that is lasting.....		.10	
<b>GIANT LORD BEACONSFIELD.</b> Lavender, heliotrope and purple. Large, open flaring petals.....		.10	
<b>GIANT FREYA.</b> Large flower of deep dark purple, each petal with a distinct silver edge.....		.10	
<b>GIANT GOLDEN QUEEN.</b> Exquisite velvety texture. Bold flowers of pure golden yellow.....		.10	
<b>GIANT INDIGO BLUE.</b> Of immense size and of rich velvety plush effect.....		.10	<b>Noll's Improved Tufted Pansy</b> Flowers with distinct faces, each different. Blooming period covers a longer season than the Pansy and flowers have the delightful fragrance of the Violet. In a light, rich soil and a moist situation they will bloom the entire Summer..... .10

**PHLOX DRUMMONDI (Flame Flower)**

Dazzling in effect, more so when borders or masses are sown with contrasting harmonizing colors. Few colors are beyond their range. Sow as soon as frost is out of ground in early Spring, later sowings in June, and you will be surprised at the continuous display of long-stemmed, handsomely formed flowers for cutting. H. A. 1 ft.

**GRANDIFLORA**

These varieties are far superior to those ordinarily sold. The flowers are larger than the older sorts, showy and constant.

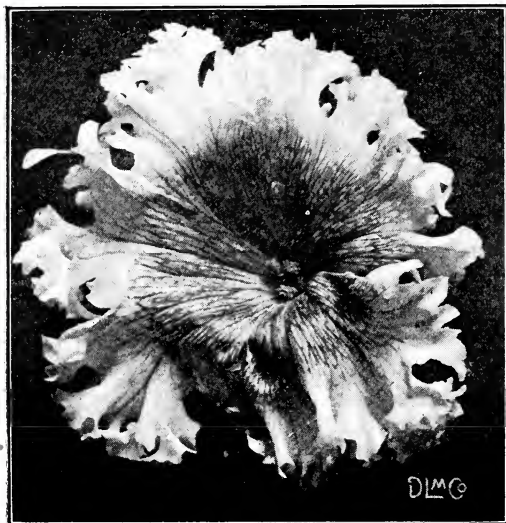
	Pkt.
<b>Atropurpurea.</b> Dark purple.....	\$0.10
<b>Coccinea.</b> Large, brilliant scarlet.....	.10
<b>Rosea.</b> A soft shade of rose.....	.10
<b>Alba.</b> Large, pure white.....	.10
<b>Kermesina splendens.</b> Vivid crimson....	.10
<b>Isabellina.</b> Pure yellow.....	.10
<b>Mixed.</b> A splendid mixture of the above sorts..... ½ oz. 30c.	.05
<b>Hortensiaflora Scarlet.</b> Bright scarlet, 6-8 in.....	.10
<b>Hortensiaflora Mixed.</b> Covered the entire Summer with magnificent flowers of the richest hues. Grows only about 6 to 8 in. high and cannot be equaled as a bedder; of neat, compact growth and succeeds in all situations. 1..... ¼ oz. 30c., oz. \$1.00	.10
<b>Grandiflora nana compacta</b> (Cicely Phlox Mixed). Each flower has a large, distinct white eye in the center.....	.10
<b>Cuspidata</b> (Star of Quedlinburg). Star-shaped flowers of many colors.....	.10

**HARDY PERENNIAL PHLOX**

Large heads of finely colored flowers. Roots should be taken up and divided about every three years. 3 ft.

**Large-Flowered Hybrids, Mixed**..... Pkt. \$0.10

**PASSIFLORA cœrulea** (Passion Flower). A very interesting climber. Flowers are blue and white, of remarkable beauty. H. H. P. ....



Petunia



Phlox

**PETUNIA**

There is no flower more highly prized for use in beds, massing, borders, window-boxes, baskets and vases. Succeeds in almost any soil and is in bloom the entire Summer, until cut down by frosts in the Autumn. Sow thinly and do not cover seed to a depth of more than four times their size, press down firmly with a board, water with a fine spray, and do not allow the small seedlings to dry out. H. H. A. 1-2 ft.

**Noll's Double Prize Giant.** A superior mixture of all the double and fringed large-flowering Petunias, and will produce flowers of elegant form with a wide range of colors and markings. **About 30 per cent. will bear double flowers;** the remainder will be grand single flowers of great size. As double flowers do not produce seed, the seed is selected from large single flowers that have been pollinated with pollen from double ones. .... Pkt. \$0.20

**Mammoth Fringed.** A new class of remarkable beauty, size and luxuriance, unequaled by any other; the flowers are exquisitely ruffled or fringed, and are of enormous dimensions (4 to 5 in. across); but their great merits lie in the tremendous varieties of colors, markings, veinings, blotchings and stripings, in the most beautiful combinations; the colors are rich and gorgeous. .... .20

**California Yellow Throated.** Large flower with finely shaded yellow throat. .... .20

Petunias concluded on page 72



## PETUNIAS—Continued

## SINGLE BEDDING VARIETIES

	Pkt.
<b>White.</b> Pure white; very fine.....	\$0.05
<b>Red.</b> Very rich and showy.....	.05
<b>Rose.</b> Deep shade; very good.....	.05
<b>Howard Star.</b> Deep crimson with a distinct white star in center.....	.10
<b>Venosa.</b> Various colored, beautifully veined	
1/4 oz. 20c.	.05
<b>Hybrida, Single Mixed.</b> This is the acme of perfection for bedding or borders. There are many solid colors, striped, blotched or mottled flowers, and it is indeed a superior mixture of the handsomest single Petunias	
1/4 oz. 20c.	.05

## Poppy

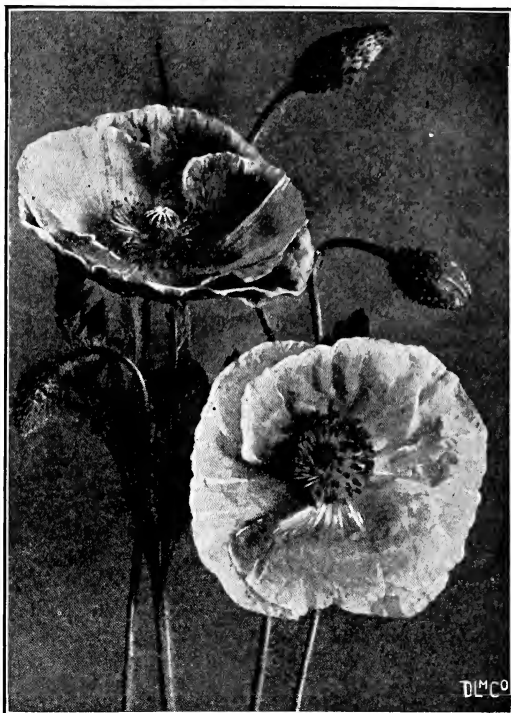
Flowers grow to an enormous size, from 6 to 7 inches in diameter, as double as Peonies, and the colors are rich and varied. 2 ft.

## HARDY ANNUAL

	Pkt.
<b>Double Bright Rose</b> .....	\$0.05
<b>Double White</b> .....	.05
<b>Double Scarlet</b> .....	.05
<b>Double Peony-Flowered, Mixed.</b> Many fine colors.....	1/2 oz. 15c., oz. 25c.
<b>Carnation-Flowered, Mixed.</b> Double fringed flowers of brightest colors	Oz. 15c.
<b>Mikado (The Striped Japanese Poppy).</b> Brilliant scarlet and white; elegant curved petals.....	.05
<b>Shirley (Silk, or Ghost Poppy).</b> Brilliant effect; each petal beautifully crumpled like crushed satin.....	.05
<b>Danish Cross (Danebrog).</b> Large single scarlet, with white cross at base of petals.....	.05
<b>Mephisto.</b> Beautifully fringed; varies from red and black to rose and white.....	.05
<b>Glaucum (Tulip Poppy).</b> Tulip-shaped, intense brilliant scarlet flowers.....	.05
<b>Miss Sherwood.</b> Satiny white, upper half of petals chamois-rose. Flowers of great substance; elegant for cutting.....	Oz. 40c.
<b>Single Mixed.</b> A splendid mixture of the single varieties.....	Oz. 25c.



Portulaca



Shirley Poppy

## HARDY PERENNIAL

Large-flowered and showy; very effective among shrubbery. 2-4 ft.

<b>New Oriental Hybrids.</b> Enormous flowers of the most dazzling beauty.....	Pkt. \$0.10
<b>Oriente.</b> Fiery scarlet.....	.05
<b>Nudicaule (Iceland Poppy).</b> One of the most attractive varieties. Beautiful when grown in masses. 1 ft.	
<b>Double Mixed Iceland</b> .....	.10
<b>Single Mixed Iceland</b> .....	.10

## PORTULACA (Rose Moss, Sunflower)

Brilliant-flowered plants of low growth, that will flourish under all conditions, though a sunny position and light sandy soil suit it best. For beds, borders, among rockeries or under taller growing plants it will carpet the ground with an amazing mass of foliage that is completely covered with the gorgeous flowers in the most brilliant colors. Of easiest culture, require very little care; however, do not sow seed until hot weather. H. A. 6 in.

## SINGLE VARIETIES

	Pkt.
<b>Albiflora.</b> Pure white.....	\$0.05
<b>Thellnasoni.</b> Bright scarlet.....	.05
<b>Aurea.</b> Deep golden yellow.....	.05
<b>Rosea.</b> Very rich rose.....	.05
<b>Mixed.</b> A very good mixture of the single sorts.....	1/4 oz. 20c.

## DOUBLE VARIETIES

<b>Scarlet.</b> A very rich shade.....	.10
<b>White.</b> Pure satiny white.....	.10
<b>Yellow.</b> Deep golden.....	.10
<b>Rose.</b> An excellent shade.....	.10
<b>Mixed.</b> A very fine mixture of double sorts, containing striped varieties....	1/4 oz. 25c.

## PRIMULA

Succeeds best in a moist, loamy soil, partially protected from the hot sun. H. P. 6-12 in. Pkt.

**Auricula.** Many rich colors..... \$0.10

**Japanica** (Japanese Primrose). Bright showy flowers. Mixed..... .10

**Forbesii** (Baby Primrose). Pleasant shade of rose, with a yellow eye. Fine for cutting. .10

**Obconica.** Early to bloom from Spring-sown seed and continue through the entire season. Mixed colors..... .10

**English (vulgaris).** Flowers canary yellow and very fragrant..... .05

**Polyanthus.** Single mixed..... .05

**Chinensis** (Chinese Primrose). These handsome house or conservatory plants have a long blooming period and the cut flowers make a valuable table decoration, keeping fresh in water for several days. Flowers are cut and fringed, and of many colors. G. P. 8-12 in.

**Chinensis White.** Pure white..... .25

**Crimson.** Rich crimson..... .25

**Blue.** Violet-blue..... .25

**Finest Mixed.** A beautiful strain containing many rich colors in beautiful variety..... .20

**PURPLE FEATHER GRASS.** Graceful, narrow leaves topped with handsome feathery plumes over a foot long from July until cut down by frost. A beautiful foliage plant, as graceful as a Palm. The growth is rapid and makes an excellent border for taller plants. H. A. 1½-3 ft..... .10



*Primula obconica*

**PYRETHRUM.** Single daisy-like flowers of bright colors, including pink, white, red, etc. Blooming period extends over a long season. H. P. 2-3 ft..... Pkt.

**Atrosanguineum.** Fine dark scarlet.... \$0.10

**Single Mixed.** Many colors..... .05

## RICINUS (Castor Oil Plant)

Largely used to give the lawn a sub-tropical effect or for centers of beds of foliage plants. H. H. A. 8-10 ft.

**Cambodgensis.** Maroon leaves with red veins, stems black..... Pkt. \$0.05

**Borbonensis.** Violet..... .05

**Gibsoni.** Violet bronze..... .05

**Zanzibarensis Mixed.** All the above and many other splendid varieties in mixture.. ½ oz. 15c., oz. 25c. .05

## SALPIGLOSSIS (Velvet Flower)

These showy, half-hardy annuals have beautiful funnel-shaped flowers, richly veined on a ground which varies from white, crimson, yellow, orange, etc. They are easily grown, requiring a light, rich sandy soil. H. H. A. 2 ft. Pkt.

**Grandiflora coccinea.** Bright scarlet.... \$0.10

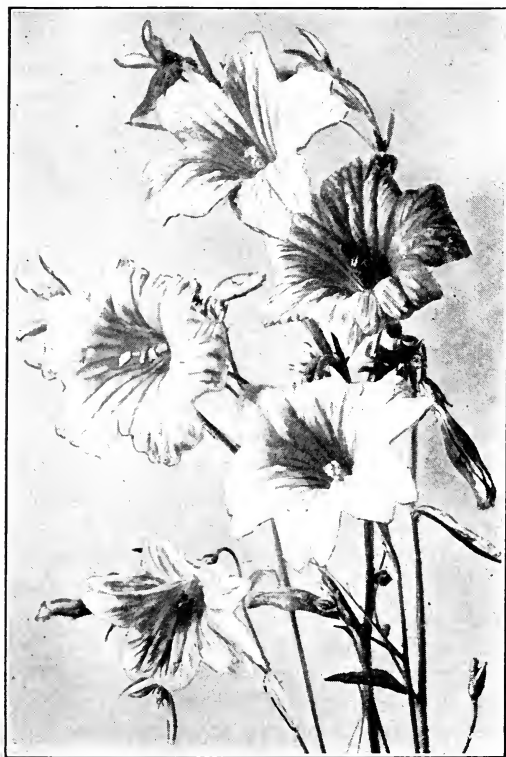
**Purpurea carminea.** Purplish violet.... .10

**Rosea.** Rose shade..... .10

**Violacea aureo, venosa.** Lilac veined on golden yellow..... .10

**Emperor (Mixed).** This mixture is produced from the finest strains of grandiflora varieties..... ¼ oz. 25c. .10

**Fine Mixed.** Large-flowered sorts. ¼ oz. 15c. .05



*Salpiglossis*



**SALVIA (Scarlet Sage)**

Well-known bedding plants which carry hundreds of long, flaming flower spikes open at one time, keeping up the magnificent display until frost. H. A. 18-36 in.

- Early Dwarf Zurich.** Brilliant scarlet, Pkt. growing 12 to 15 in. tall. .... \$0.20
- Splendens.** Large-flowering scarlet Sage. 1/8 oz. 30c. .10
- Splendens Bonfire.** A very compact-growing sort. The most profuse bloomer of all; plant is densely covered with flaming flower spikes from early Summer until frost. 2 1/2 ft. .... 1/8 oz. 30c. .10
- Splendens Silver Spot.** The green leaves are covered with creamy white or yellow spots while the flowers are an intense scarlet. It makes a very desirable ornamental plant. .... 1/8 oz. 50c. .10
- Farinacea (Silver Sage).** This is similar in luxuriant profusion of flowers to Salvia Drooping Spikes, but the light blue flowers are borne high above the foliage, and the tall silvery-lavender seed pods are as highly ornamental as the flowers. A ribbon border of these is an effective sight. .... .10
- Patens (Blue Salvia).** Erect spikes of rich blue flowers. Makes a handsome pot plant. T. P. .... .10



Salvia, Splendens Bonfire

**SCABIOSA**

(Pincushion Flower, Mourning Bride)

A desirable border plant with handsome flowers that are exceptionally fine for cutting, lasting for a long time. The flowers are quite fragrant, and on account of length of stems desirable for bouquets for the house. H. A. 2-3 ft. Pkt.

- Minor aurea fl. pl.** Beautiful golden yellow \$0.05
- Black Purple.** ..... .05
- Candidissima.** Double; pure white. .... .05
- Double Rose.** ..... .05
- Japonica.** Lavender blue, fine for cutting. .... .10
- Double Mixed.** All colors. .... 1/4 oz. 20c. .05
- Caucasica.** Flowers a beautiful soft lavender. H. P. .... .10
- SMILAX.** Deep, glossy green leaves; largely used by decorators and in bouquets. Soak seed 48 hours in warm water before planting. G. P. C. 6 ft. .... .10
- SPIDER PLANT.** A splendid honey plant, as beautiful as it is curious, as the flowers resemble giant spiders. An exceptionally showy plant among shrubbery, greatly admired. H. A. 4-5 ft. .... .05
- STEVIA.** The leaves are largely used in bouquets on account of their delightful fragrance. Flowers flesh white, star shaped, and borne in large heads. G. P. 2 ft. .... .05

REQUEST A COPY OF  
**NOLL'S GARDEN GUIDE**

IF YOUR ORDER AMOUNTS TO

**\$1.00 OR OVER**

EITHER VEGETABLE OR FLOWER SEEDS

**SUNFLOWER (Helianthus)**

Stately, decorative plants with large heads of golden yellow flowers. Height of plants of the different sorts varies, but they can be placed through the grounds with grand effect. It is the gardener's art to know where to place them. H. A.

- Cucumerifolius Orion.** A very handsome Pkt. variety with petals twisted like the best shaped Cactus Dahlias. 3 ft. .... \$0.05
- Cucumerifolius.** Of pyramidal growth, covered with small single flowers, of bright orange color. 3 ft. .... .05
- Double Chrysanthemum-Flowered.** Beautiful golden-yellow flowers which are perfectly double. 6 ft. .... .05
- Dwarf Perkeo.** In bloom the entire season. The flowers are 3 to 5 in. across, bright yellow in color with dark centers, and completely cover the entire plant, on extra long stems, making them exceptionally valuable for cut flowers. 2-3 ft. .... .10
- Globosus fistulosus.** Immense flowers, 10 to 15 in. across; very double and decidedly attractive. 4 ft. .... Oz. 20c. .05
- Large Single Russian.** The old-fashioned Sunflower. 5 to 8 ft. .... Oz. 10c. .05
- SWEET ROCKET (Hesperis).** Showy spikes of lilac-blue or white flowers, very fragrant. Excellent to plant among shrubbery, and require little attention. H. P. 2-3 ft. Mixed. .... .05

See page 50 for

**FLOWER SEED NOVELTIES**

# SWEET PEAS

Culture.—Drill in rows 5 in. deep, cover about 2 in. As vines grow gradually fill trench with soil, and thin to 5 in. apart. For early flowers, sow in beginning of November, preferably in a dry situation, 6 or 8 in. deep, giving them level culture.

Spring sowings just as soon as ground can be prepared. H. A. 5-7 ft.

## SEPARATE VARIETIES OF SPENCER SWEET PEAS

The following list is made up of the most attractive sorts which are sure to give satisfaction.

<b>Apple Blossom.</b> Rose and pink, waved.	Pkt.
Oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50	\$0.10
<b>Asta Ohn.</b> Lavender, tinted mauve; free bloomer.	
Oz. 25c., $\frac{1}{4}$ lb. 90c., lb. \$2.50	.10
<b>Aurora.</b> Orange, rose striped on white; large size.	
Oz. 40c., $\frac{1}{4}$ lb. \$1.40, lb. \$4.00	.15
<b>Beatrice.</b> Standard, a mingling of bluish, lemon and buff, wings pure white.	
Oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50	.15
<b>Black Knight.</b> Shining deep maroon; waved	
Oz. 25c., $\frac{1}{4}$ lb. 90c., lb. \$2.50	.10
<b>Capt. of the Blues.</b> Standard purple, wings blue, waved.	
Oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50	.15
<b>Countess Oliver.</b> Delicate pink, suffused with cream color, waved.	
Oz. 25c., $\frac{1}{4}$ lb. 80c., lb. \$2.00	.10
<b>Countess Spencer.</b> Lovely shade of pale pink, darker toward the edges.	
Oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50	.10
<b>Dainty.</b> White, with pink picotee edge, waved.	
Oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00	.10
<b>Enchantress.</b> Darker pink than Countess Spencer.	
Oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50	.10
<b>Etta Dyke.</b> Pure white, waved.	
Oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00	.10
<b>Evelyn Hemus</b> (Mrs. C. W. Breadmore). Buff, ground with rosy picotee edges.	
Oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00	.10
<b>Florence Morse.</b> White with pink edge.	
Oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50	.10
<b>Gaiety.</b> Rose, striped on white.	
Oz. 25c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00	.10
<b>Geo. Herbert.</b> Bright rosy carmine.	
Oz. 25c., $\frac{1}{4}$ lb. 90c., lb. \$2.50	.10
<b>Helen Lewis.</b> Standard orange, wings rosy salmon.	
Oz. 25c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00	.10
<b>King Edward.</b> Rich carmine scarlet, waved	
Oz. 25c., $\frac{1}{4}$ lb. 90c., lb. \$2.50	.10
<b>Lovely.</b> Pink and bluish, waved	
Oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50	.10
<b>Mennie Christie.</b> Standard purplish carmine, wings rosy magenta.	
Oz. 25c., $\frac{1}{4}$ lb. 90c., lb. \$2.50	.10
<b>Mrs. Routzahn.</b> Apricot, suffused with pink, deepening toward the edges, waved.	
Oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50	.10

THE Sweet Pea crop has been very short this season. Some varieties are almost a total failure. Order early.

Sweet Peas

<b>Othello.</b> Rich deep maroon, waved.	Pkt.
Oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50	\$0.10
<b>Paradise Ivory.</b> Ivory white, buff tinge on standard.	
Oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50	.10
<b>Primrose.</b> Pale primrose, waved.	
Oz. 25c., $\frac{1}{4}$ lb. 90c., lb. \$2.50	.10
<b>Senator.</b> A combination of claret and chocolate color, lavender and white striped. Very profuse bloomer	
Oz. 40c., $\frac{1}{4}$ lb. \$1.40, lb. \$4.00	.15
<b>White Spencer.</b> Pure white, waved.	
Oz. 25c., $\frac{1}{4}$ lb. 90c., lb. \$2.50	.10

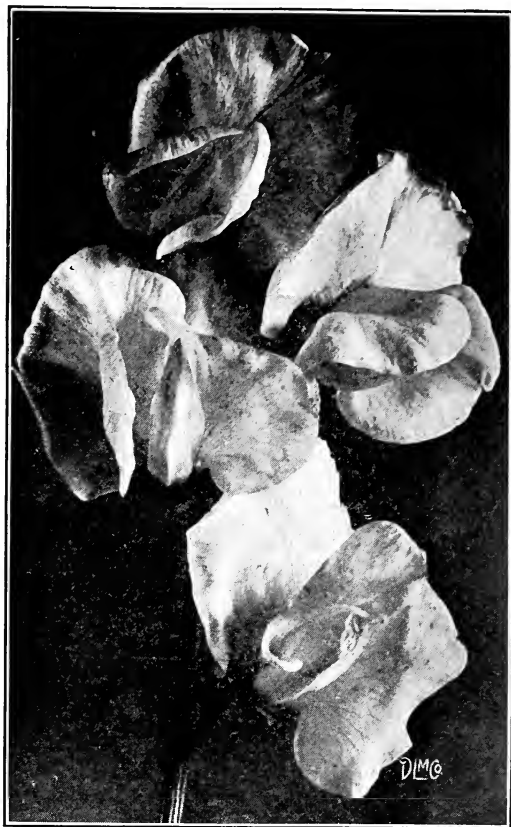


## NOLL'S SUPERB MIXTURE OF SPENCER SWEET PEAS

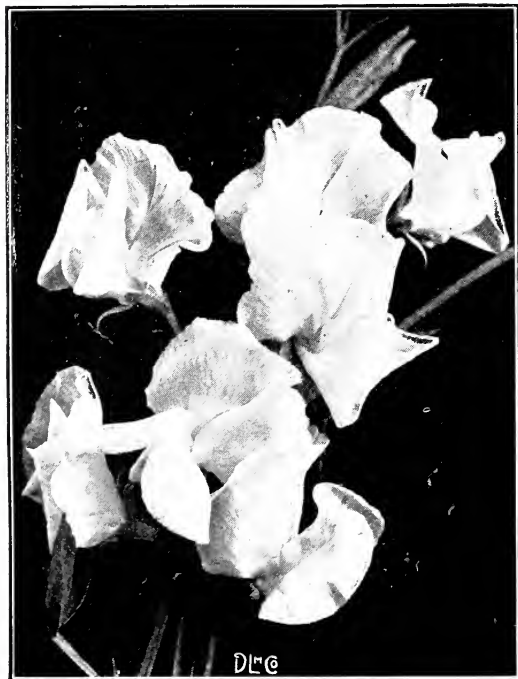
This mixture contains all the choice sorts of Spencer types. All colors are well represented; the flowers are large and bold, crumpled and waved, three to four on a stem. Very valuable for cutting. This mixture is exceptionally fine and every customer should not fail to plant some, as it will surely please. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

### GRANDIFLORA TYPE OF SWEET PEAS

**Agnes Johnson.** Pink and buff, shaded.  
**Beacon.** Rose colored.  
**Black Michael.** Maroon colored.  
**Blanche Ferry.** Rose and white, early.  
**Blanche Ferry, Extra-Early.** Same color as Blanche Ferry, but much earlier.  
**Capt. of the Blues.** A fine blue color.  
**Coquette.** Light shade of yellow.  
**Countess of Radnor.** Lavender.  
**Dainty.** White, with pink edge.  
**Emily Henderson.** White, very early.  
**Flora Norton.** Clear blue with purple tint.  
**Kathryn Tracy.** Standard pink, wings lighter.  
**King Edward VII.** Very large red, open form.  
**Modesty.** White, tinted pink.  
**Mrs. Eckford.** Pale primrose.  
**Navy Blue.** Indigo blue and violet.  
**New Countess.** Beautiful lavender.  
**Othello.** Deep maroon.  
**Prince of Wales.** Rose crimson.  
**Princess May.** Pale lavender.  
**Queen Victoria.** Light primrose.  
**Royal Rose.** Crimson pink, shaded light.  
**Salopian.** Bright red.  
**Scarlet Gem.** A good scarlet.



Dainty Sweet Pea



Emily Henderson Sweet Pea

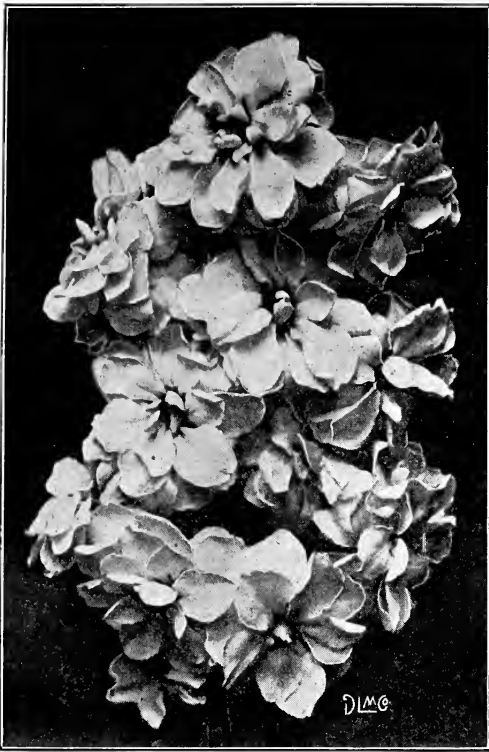
**Sensation.** Very light pink.  
**Shasta.** White standard, wings have waved edges.  
**Shazada.** A very fine maroon color.  
**Venus.** Pale buff, flushed with salmon pink.  
**White Wonder.** Pure double white.

Price of any of the Grandiflora varieties: Pkt 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.

## NOLL'S SUPERB MIXTURE OF LARGE-FLOWERING SORTS

This mixture is produced from named Pkt. Grandiflora types. The color is well graded, giving a large variety of color. We believe there is no better mixture on the market and we are sure it will please the most critical. . . . . Oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 80c. \$0.05

**N. B.**—The Sweet Pea crop has been very poor this last season on account of weather conditions, and we will have only limited quantities of most varieties, so order early when the list is complete.



German Ten-Weeks Stocks

## STOCKS

This is one of the finest flowers for bedding, borders or pot culture. They are unsurpassed for bouquets. To secure early flowers, start seed in window-boxes or under glass in March or April, and transplant to the open ground the middle of May. For late blooming, sow seed in the open ground in May. H. H. A. 1½ to 2 ft.

**Dwarf German Ten-Weeks.** This is one of the choicest strains and saved from the choicest double varieties only. Long splendid spikes, large double. White, bright rose, canary yellow, rose, light blue, violet and carmine. Pkt. \$0.10

**Fine Sorts Mixed.** Single and double ¼ oz. 25c. .05

**Cut-and-Come-Again.** Profuse and perpetual blooming; double white. .10

## SWEET WILLIAM (Dianthus Barbatus)

Old-fashioned plants; produce large heads of beautifully colored, sweet-scented flowers in great abundance. Hardy, easy to grow and flower the second year from seed. H. B. 18 in. Pkt.

**Single White.** \$0.05

**Single Crimson.** .05

**Single Mixed.** All colors. ¼ oz. 15c. .05

**Double White.** .10

**Double Crimson.** .10

**Double Mixed.** All colors. ¼ oz. 25c. .10

**STOKESIA cyanea** (Cornflower Aster). A rare and beautiful shade of lavender-blue flower, resembling the Cornflower. Blooms from July until frost. A choice cut flower. H. P. 2 ft. Pkt. \$0.10

**THUNBERGIA** (Black-Eyed Susan). Very ornamental climbers and profuse blooming plants; useful for vases, rustic work or greenhouse decoration. H. H. A. 5 ft.  
**White.** Black eye. .05  
**Orange.** Black eye. .05  
**Fine Mixed.** All colors. .05

**TRITOMA** (Red-Hot Poker, or Torch Flower). Showy spikes of bloom in various shades of yellow and scarlet. H. H. P.  
**Uvaria grandiflora.** .05

**UNICORN PLANT.** Curious-shaped pods, which when young are used as pickles. H. A. 18 in. .05

**VALERIANA** (Hardy Heliotrope). A fine border plant with showy corymbs of red or white fragrant flowers. H. B. 3 ft. .05

## VERBENA

Single plants will carpet a bed 3 to 4 ft. in diameter with neat foliage and scores of fine flower umbels. For beds, borders, mounds, vases or window boxes it is especially recommended and is frequently used as an undergrowth to taller plants. H. A. 18 in. Pkt.

**Giant cœrulea.** Brilliant blue. \$0.10

**Giant White.** Very large flowers. .10

**Giant Pink.** A beautiful shade. .10

**Giant Scarlet.** Very brilliant, excellent for bedding purposes. .10

**Giant Crimson.** Beautiful rich crimson-colored flowers. .10

**Giant Oculata.** Brilliant flowers of fine size, each with a large white eye. .10

**Giant Mixed.** A carefully prepared mixture of brilliant and choice varieties. The flowers are of great size and the colors are all desirable. ¼ oz. 40c. .10

**Choice Mixed.** All colors. ¼ oz. 25c. .05

**VINCA** (Madagascar Periwinkle, or Old Maid). Ornamental and free flowering. Sow early and transplant to obtain stocky plants. Can be taken up in Fall and bloomed in the house like Chrysanthemums. Fine for beds or borders. T. P. 6-8 in.

**White, Rose or Mixed.** .10

**VIOLA** (Violet). H. P. Renowned for their beauty and fragrance. Seed takes a long time to germinate.

**Sweet Scented, Blue.** .10

**Sweet Scented, White.** .10

**VIRGINIAN STOCK.** An early Summer-flowering garden annual. 1½ ft.

**Mixed colors.** .05

**WALLFLOWER.** Favorite sweet-scented flowers, of many fine colors; largely used for Spring bedding. Easily grown, lasting well as a cut flower. T. P. 18 in.

**Double Mixed.** Double German varieties .10

**Single Mixed.** A fine mixture of single-flowering varieties. .05

**Paris Single Annual** (Mixed). Blooms the first year from seed. 3 ft. .05



**WILD CUCUMBER VINE.** The quickest growing climber in our entire list. Thickly dotted all over with pretty white, fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Will quickly cover a trellis, fence or arbor. H. A. 15-30 ft.

½ oz. 10c., oz. 15c., ¼ lb. 40c. \$0.05

**WISTARIA.** For arbor or trellis no vine can equal the majestic grandeur of this popular flower. Bears grand panicles of lilac-blue or silvery-white flowers. H. P. C. 15-20 ft.

**Mixed Colors.**..... .10

**ZEJA Japonica (Japanese Maize). Quadri-color Perfecta.** Of quite dwarf growth and bushy habit. The leaves are broad, colored yellow, green and rose, with dark red stripes. Valuable for borders and backgrounds. H. A. 3-4 ft. .... .10

If your order amounts to \$1.00 or over, for either vegetable or flower seeds, you are entitled to one copy of Noll's Garden Guide. Ask for it.

## ZINNIA (Youth and Old Age)

The plants come easily to blooming size from seed, and should be transplanted to at least 8 in. apart, to allow for development. They make a magnificent display in beds or borders. Blooms the entire season. H. A. 1-2 ft.

**Tall Double Varieties, Scarlet, Pink,** Pkt.

**White, Golden Yellow and Rose.** Each \$0.05

**Tall Double Mixed.**..... ¼ oz. 15c. .05

**Giant Flowering, Mixed.** A mixture of the largest, extremely double and most brilliant colored Zinnias yet obtained. Plants robust and able to bear the great load of magnificent blooms produced. The flowers are immense, surpassing any other strain, often measuring 4 to 5 in. in diameter and come in almost every color known.... ¼ oz. 30c. .10

**Dwarf Double Sorts.** These sorts are more compact and of neater habit than the taller varieties. 8-12 in.

**Dwarf Double White, Rose and Golden Yellow.**..... Each .05

**Dwarf Double Mixed.**..... ¼ oz. 15c. .05

**Curled and Crested.** Petals are curled and twisted in graceful form. Mixed. ¼ oz. 20c. .10

## NOLL'S COMPLETE FLOWER GARDEN

A constant surprise for six months out of the year

Contains a mixture of flower seeds that is complete for any purpose, and is in great demand for carriage drives, large borders, shrubbery or woodland. Walks may be brightened with gratifying results by sowing Noll's Complete Flower Garden Mixture. The small flower garden is benefited to a large extent, for many varieties are obtained at a very nominal cost. Plant outside in the early Spring at about the time trees are coming into leaf, sowing the seed thinly and allow room for development for each plant; when one or more leaves have formed no doubt some will have to be transplanted, and you will be greatly interested watching the different plants grow and endeavoring to name each variety. Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.



Results obtained by sowing Noll's Complete Flower Garden Mixture



## CHOICE COLLECTIONS OF FLOWER SEEDS

We have formed these collections for the convenience of those who wish to have a variety of flowers and who are at a loss to know what to choose for their flower garden. These collections are made up of the regular size packets, the same as are sold for five and ten-cents. These collections are offered in the Annual, Perennial and Biennial sorts. The Annuals flower the first season from seed and die in one year. The Perennials flower the second year and last indefinitely. The Biennials grow from seed one year, bloom and die the next year. For those who are inexperienced in Floriculture and who desire a garden of flowers that will rival your neighbors', we can heartily recommend these choice collections.

### NO. 1 COLLECTION

**12 Varieties of Annuals**, containing the following varieties: Aster, Victoria Mixed; Balsam, Double Mixed; Candytuft, Empress; Centaurea, Cyanus, Emperor William; Nasturtium, Dwarf Mixed; Eschscholtzia, California; Gaillardia, Lorenziana; Larkspur, Mixed; Marigold, African Mixed; Mignonette; Poppy, Single Mixed; Petunia, Single Mixed.

This entire collection for 50c.

### NO. 2 COLLECTION

**25 Varieties of Annuals**, containing the following varieties: Aster, Victoria Mixed; Candytuft, Empress; Amaranthus, Mixed; Alyssum, Sweet; Centaurea, Cyanus, Emperor William; Cosmos, Mammoth Flowered Mixed; Hunnemannia; Marigold, African Double Mixed; Mignonette, Allen's Defiance; Nasturtium, Dwarf Mixed; Poppy, Double Paeony-flowered Mixed; Phlox, Drummond's Grandiflora Mixed; Petunia, Hybrida Single Mixed; Portulaca, Double Mixed; Salpiglossis, Mixed; Scabiosa, Double Mixed; Stocks German Ten Weeks, Mixed; Sunflower, Chrysanthemum-flowered; Verbena, Choice Mixed; Zinnia, Double Tall, Mixed; Ageratum, Mixed; Globe Amaranth; Gaillardia, Lorenziana; Nigella, Mixed.

This entire collection for \$1.00.

### NO. 3 COLLECTION

**12 Varieties of Perennials and Biennials**, containing the following varieties: Antirrhinum, Mixed; Aquilegia, Single Mixed; Coreopsis, Lanceolata; Dianthus, Chinensis Double Mixed; Campanula, Single Mixed; Sweet William, Single Mixed; Wallflower, Single Mixed; Digitalis, Mixed; Hollyhock, Double Mixed; Aconitum, Napellus; Poppy, Orientale; Lychnis, Haageana.

This entire collection for 50c.

### NO. 4 COLLECTION

**25 Varieties of Perennials and Biennials**, containing the following varieties: Achillea, The Pearl; Aconitum, Napellus; Antirrhinum, Tall Mixed; Aquilegia, Single Mixed; Campanula, Single Mixed; Coreopsis, Lanceolata; Dianthus, Chinensis Double Mixed; Delphinium, Hybrids Mixed; Gaillardia, Grandiflora Compacta; Hollyhock, Double Mixed; Lychnis, Haageana Hybrids Mixed; Lupinus, Polyphyllus Mixed; Pansy, Giant Trimardeau Mixed; Myosotis, Palustris; Phlox, Perennial Mixed; Poppy, Orientale; Scabiosa, Caucasica; Stokesia, Cyanea; Sweet Rocket, Mixed; Sweet William, Single Mixed; Wallflower, Double Mixed; English Yellow Primrose; Digitalis, Mixed; Daisy, Shasta; Campanula, Double Mixed.

This entire collection for \$1.00.

### NO. 5 COLLECTION

**6 Varieties of Annual and Perennial Climbers**, containing the following varieties: Adlumia, H. P.; Aristolochia Siphon, H. P.; Canary Bird Flower, A.; Cypress Vine, A.; Japanese Hop Vine, A.; Kudzu Vine, A. (The abbreviations affixed denote which are annuals, and which are perennials.)

This entire collection for 25c.

### NO. 6 COLLECTION

**12 Varieties of Annual and Perennial Climbers**, containing the following varieties: Momordica, Mixed; Wild Cucumber Vine; Morning Glory, Single Mixed; Kudzu Vine; Ipomoea, Mexicana; Japanese Hop Vine; Adlumia; Aristolochia Siphon; Cypress Vine, Mixed; Dolichos, Lablab Mixed; Gourds, Mixed; Canary Bird Flower.

This entire collection for 50c.

In the preceding collection, Kudzu Vine, Adlumia and Aristolochia are perennials, the balance are annuals



## SUMMER FLOWERING BULBS, ROOTS, ETC.

**Culture.**—These bulbs are of the easiest culture and give immediate results. Plant out in good rich soil as soon as the ground is warm in the Spring, and you will be surprised with their beauty and abundance of bloom.

### AMARYLLIS

**Formosissima** (Jacobean Lily). A desirable shade of rich dark scarlet. Each 10c., 3 for 25c.

**Johnsoni.** Elegant large flowers, deep red, magnificently striped with white. A popular sort for house culture. Each 35c., doz. \$3.50.

**Hallii.** A hardy pink-flowered Amaryllis. Produces in early Spring attractive green foliage, which grows until July, when it ripens off and disappears. About a month later, as if by magic, the flower stalks spring from the ground to a height of 2 to 3 feet, developing an umbel of large and beautiful Lily-shaped flowers, 3 to 4 inches across and from 8 to 12 in number, of a delicate lilac pink shaded with clear blue. Cover crown about 4 inches. Each 35c., doz. \$3.50.

### AQUILEGIA (Columbine)

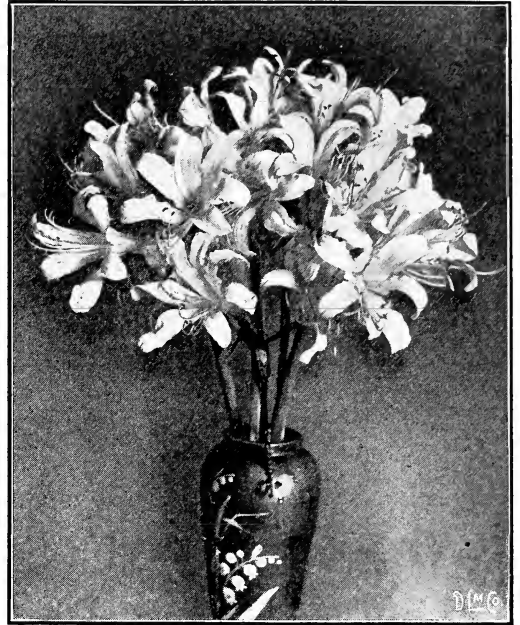
This is one of the old favorite flowers, blooming in the late Spring. The plants grow about two feet tall and will thrive in any good soil. Mixed colors. Each 15c., doz. \$1.50.

### ASTERS

They are among the showiest late-flowering plants, producing a mass of blooms, when most other sorts are past. We offer them in mixed colors only. Each 15c., doz. \$1.50.



Tuberous Begonia



Amaryllis Hallii

### BEGONIAS—TUBEROUS-ROOTED

These do best in a shady position. Have the soil rich, which serves to make them more profuse in blooming. The colors are very rich and striking. One of the handsomest flowers you can grow.

**Single Flowering.** Scarlet, pink, orange and white. Each 10c., 3 for 25c., doz. 90c., postpaid.

**Double Flowering.** Scarlet, pink, white and orange. Each 15c., 3 for 40c., doz. \$1.50, postpaid.

### BLEEDING HEART

An old favorite. Long, graceful racemes bearing pink, heart-shaped flowers. Each 15c., 2 for 25c., postpaid.

### CALADIUM ESCULENTUM

(Elephant's Ear)

An effective plant for beds. Of easy culture; should be planted in good, rich soil, with an abundance of rich compost, and where they can obtain plenty of water.

**Extra Large Bulbs.** Each 40c., doz. \$4.00, postpaid. By express, not prepaid, each 25c., doz. \$2.50.

**First-Size Bulbs.** Each 25c., doz. \$2.50, postpaid. By express, not prepaid, each 15c., doz. \$1.50.

**Second-Size Bulbs.** Each 20c., doz. \$2.00, postpaid. By express, not prepaid, each 10c., doz. \$1.00.

**CAMPANULA (Canterbury Bell)**

Bears most beautiful bell-shaped flowers during the Summer. An old-fashioned flower but still very popular. Each 15c., doz. \$1.50.

**CANNA**

**Culture.**—The varieties of Cannas offered are all of the highest type of beauty, and every color known among Cannas is represented. When planting do not set roots too deeply; the eye should show a little through the ground. Do not plant outdoors until about the middle of May, when the weather is generally settled and the ground warm.

**GIANT-FLOWERING CANNAS**

**Betsy Ross.** The fairest and most beautiful pure pink-flowered Canna ever introduced. Green foliage. 3 ft. Each 15c., doz. \$1.50.

**Buttercup.** Always shows up bright and clear; true Buttercup yellow. Without exception the most magnificent pure, bright, deep canary-yellow Canna in existence. Green foliage. 3 ft. Each 15c., doz. \$1.50.

**King Humbert.** Magnificent giant flowers of pure orange scarlet, produced in great trusses, setting off to great advantage the handsome leathery bronze foliage. Should be in every collection. 4 ft. Each 10c., doz. \$1.00.

**Mont Blanc, Improved.** A Canna with such sparkling whiteness that it rivals the Easter Lily for its chasteness. The blossoms are truly gigantic and make a magnificent display, and are produced freely all the season; almost snow-white in color, showing to great advantage above the vigorous green foliage, and grow upright, an advantage not found in any other white-flowering Canna. 3½ ft. Each 40c., doz. \$4.00.

**New York.** Orchid-flowered with five petals, 5 to 7 inches across, of an intense carmine, well set above the magnificent broad, deep green foliage, heavily marked and veined with a rich plum color. Each plant produces at the one time 5 or 6 torch-like floral heads and continues to do so through the season. 6 ft. Each 15c., doz. \$1.50.

**William Saunders.** Bright scarlet flowers produced on branching stems about 4 feet high, in great clusters, often a foot across. Old flowers drop or plant is self-cleaning, which means fresh flowers every morning from June until frost. Bronze leaves that are truly magnificent. Each 20c., doz. \$2.00.

**CHOICE BEDDING VARIETIES**

**Black Warrior.** A very dark, rich shade of maroon. Green foliage. 3 to 3½ ft. Each 15c., doz. \$1.50.

**Comte de Bouchard.** Golden yellow flower with numerous red spots. A very fine variety. Green foliage. 4½ ft. Each 10c., doz. \$1.00.

**David Harum.** Bright vermilion scarlet, mottled deep red; bronze-colored leaves. 3 ft. Each 15c., doz. \$1.50.

**Dr. Nansen.** This is without doubt the best dwarf yellow Canna for beds and borders. Color a clear yellow, very beautiful. Green foliage. 2½ ft. Each 10c., doz. \$1.00.

**Duke of Marlborough.** Dark, rich, velvety crimson flowers, in large trusses. Green foliage. 4 ft. Each 10c., doz. \$1.00.

**King Humbert Canna**

**Martha Washington.** Clear, bright rose pink, in extra large trusses. Flowers 5 inches across. Green foliage. 3 ft. Each 10c., doz. \$1.00.

**Mrs. Kate Gray.** Orchid flowered; flowers 6 inches across, of rich orange scarlet, flaked and streaked golden yellow. Green foliage. 5 ft. Each 10c., doz. \$1.00.

**Patrie.** A magnificent shade of scarlet. Green foliage. 3 ft. Each 10c., doz. \$1.00.

**Pillar of Fire.** Bright crimson-scarlet flower, borne in erect spikes like blazing torches. An excellent center for a bed; vigorous growth of 6 to 7 ft. Green foliage. Each 10c., doz. \$1.00.

**Queen Charlotte.** Bright glowing crimson, each petal elegantly bordered with bright golden yellow. Makes a magnificent bedder; very showy. Green foliage. Each 10c., doz. \$1.00.

**CHRYSANTHEMUMS**

Very popular for outdoor planting. Very often flower as late as November. Flowers borne in profusion. They are quite hardy in the Northern climate and if protected with a light covering of dried leaves or straw will winter very nicely. We offer them in four colors; white, yellow, pink and bronze. Strong pot-grown plants. Each 15c., doz. \$1.50.

**CINNAMON VINE**

A rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers. Leaves are heart-shaped, bright, glossy green; growth is very rapid, often running 25 to 40 feet in a season. Perfectly hardy. Each 5c., doz. 50c.

**CYCAS REVOLUTA (Sago Palm)**

Elegant plants for house or conservatory; dormant roots. Lb. 10c.



# DAHLIAS

## NEW CACTUS VARIETIES

**Amber Queen.** A large bold flower of a rich amber, suffused with scarlet; very attractive and free flowering. Each 25c., doz. \$2.50.

**Country Girl.** Very large, free-flowering variety. Base of petals golden yellow, suffused with salmon rose, which is deepest at the points. Each 25c., doz. \$2.50.

**Leuchtfleur.** A brilliant variety of a bright blood red, with deeper shadings; flowers of fine form. Each 20c., doz. \$2.00.

**Mrs. De Luca.** Golden yellow, tipped orange; very free, one of the best. Each 25c., doz. \$2.50.

**Roland Von Berlin.** One of the best scarlet Cactus Dahlias, producing an abundance of brilliant scarlet flowers well above the foliage. Each 25c., doz. \$2.50.

**T. A. Havemeyer.** Color clear yellow at the base, deepening to bronze; very upright in growth. Each 25c., doz. \$2.50.

## STANDARD CACTUS DAHLIAS

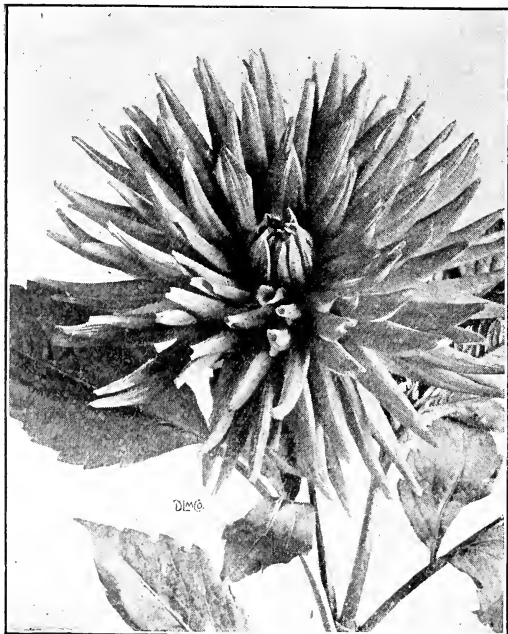
**Alpha.** New and distinct. Color white, spotted and flushed pink and crimson. The combination of colors makes this very distinct. Each 15c., doz. \$1.50.

**Aunt Chloe.** Dark maroon, shaded black; perfect form with narrow, pointed petals. Each 20c., doz. \$2.00.

**Beatrice.** Very large. Deep, rosy pink, of beautiful Cactus form. Each 15c., doz. \$1.50.

**Comrade.** Fawn color at the base, gradually shading to pink at the tips. Each 15c., doz. \$1.50.

**Countess of Lonsdale.** A very pleasing shade of salmon pink and amber. A profuse bloomer and a very good sort for cutting. Each 20c., doz. \$2.00.



Cactus Dahlia

**Floradora.** Color dark velvety crimson. The best dark crimson for cutting, as the flowers are borne on long stems and last a long while. Each 20c., doz. \$2.00.

**General Buller.** Deep, rich, velvety maroon, tipped white; a very profuse bloomer. Each 15c., doz. \$1.50.

**Island Queen.** Produces flowers with a soft lavender pink. Very beautiful. Each 15c., doz. \$1.50.

**J. B. Briant.** Golden yellow tinting to soft creamy yellow at the tips of the petals; sometimes suffused pinkish fawn. Each 20c., doz. \$2.00.

**J. H. Jackson.** One of the largest flowered of the dark-colored sorts. The blossoms are immense in size; deep, rich, velvety maroon. Each 20c., doz. \$2.00.

**Keynes White.** This is a fine, pure white. Very fine. Each 10c., doz. \$1.00.

**Kriemhilde.** A beautiful, fresh, delicate pink, shaded deep rose pink, with an exquisite white center, giving a delightful pink and white contrast. Each 20c., doz. \$2.00.

**Mrs. H. J. Jones.** By far the best fancy Cactus Dahlia yet introduced. The color is a deep crimson with a broad band of white running down the center of each petal. Each 20c., doz. \$2.00.

**Prince of Yellows.** Very large, with broad petals, which are fringed at the tips; color a rich canary yellow. Each 15c., doz. \$1.50.

**Standard Bearer.** Brightest scarlet. Plant of dwarf branching habit; extremely profuse and early. Each 15c., doz. \$1.50.

**The Pilot.** Bright terra cotta, gradually shading to bright yellow at the base. Each 15c., doz. \$1.50.

**Uncle Tom.** The best black Cactus. Color jet black, passing to maroon with a glistening satiny sheen. Each 15c., doz. \$1.50.

**Winsome.** Large flowers of pure spotless white, with twisted incurved petals. Borne on long stems; erect. Each 20c., doz. \$2.00.

## NEW DECORATIVE DAHLIAS

**Delice.** The finest pink decorative Dahlia yet introduced. The color is a soft rosy pink, suffused with lavender pink; perfect in form and habit, producing flowers on long stems. This variety should appeal to all lovers of flowers on account of its delicate color. Each 25c., doz. \$2.50.

**Jack Rose.** Rich shade of crimson, the same as is found in the Rose of the same name, from which it derives its name. Plants are of sturdy growth, producing an abundance of blooms on stout stems well above the foliage. Each 15c., doz. \$1.50.

**Kaiserin Augusta Victoria.** One of the best and earliest white decorative Dahlias introduced. This variety is of rather dwarf habit but strong and erect, producing blooms in great profusion on long stems. Each 20c., doz. \$2.00.

**Virginia Maule.** White, delicately suffused with shrimp pink; strong vigorous grower, flowers of beautiful form. This is one of the most beautiful and chaste varieties we know of. Each 25c., doz. \$2.50.

## STANDARD VARIETIES DECORATIVE DAHLIAS

- Admiral Dewey.** Brilliant-imperial purple. Each 15c., doz. \$1.50.
- Catherine Duer.** Bright scarlet without any markings. Each 15c., doz. \$1.50.
- C. W. Bruton.** Finest canary yellow. Each 10c., doz. \$1.00.
- Grand Duke Alexis.** A magnificent flower of finest form and largest size; the petals roll up so that the edges overlap each other. The color is pure white, distinctly tinged delicate pink. Each 15c., doz. \$1.50.
- Henry Patrick.** Superb, pure waxy white, of large size. Each 15c., doz. \$1.50.
- Lynthurst.** Bright scarlet. Very valuable for cutting. Each 15c., doz. \$1.50.
- Maid of Kent.** Cherry red, tipped white. Sometimes a solid color, when it is a superb red color. Each 15c., doz. \$1.50.
- Miss Minnie McCullough.** Soft yellow overlaid with bronze. Each 15c., doz. \$1.50.
- Miss Nellie Stuart.** Light center, shading to pink at the tips of the petals. Each 15c., doz. \$1.50.
- Mrs. Chas. Turner.** Produces a very large flower. Color pure yellow. Each 15c., doz. \$1.50.
- Nymphæa.** Light shrimp pink, with lighter center. Each 15c., doz. \$1.50.
- Sylvia.** Fine form, full at center, which is pure white, shading to soft pink on the outer petals. Each 10c., doz. \$1.00.
- Wm. Agnew.** Best red ever introduced for cutting or decorating. Color intense glistening scarlet crimson. Each 20c., doz. \$2.00.

### SHOW DAHLIAS

- A. Pfefferhorn.** Rosy crimson color. Fine form. Each 10c., doz. \$1.00.
- Arabella.** Color pale primrose, shaded and tipped old rose and lavender. Valuable for cutting. Each 10c., doz. \$1.00.
- Beauty.** Snow white. Perfect form. Each 15c. doz. \$1.50.
- Carol.** Pure white, delicately tinted with soft pink. Each 15c., doz. \$1.50.



Dahlia, Arabella

- Jamaica.** Deep, rich purple, shaded maroon. Each 15c., doz. \$1.50.
- Lemon Beauty.** Full round form. Color soft lemon yellow. Each 15c., doz. \$1.50.
- Miss Dodd.** Very large, pure, sulphur yellow. Each 15c., doz. \$1.50.
- Paul's Scarlet.** Brightest scarlet. Each 15c., doz. \$1.50.
- Red Hussar.** An intense scarlet crimson; best of its color. Each 15c., doz. \$1.50.
- Storm King.** The finest of all white show Dahlias. Early, profuse and a constant bloomer. Each 20c., doz. \$2.00.

### FANCY DAHLIAS

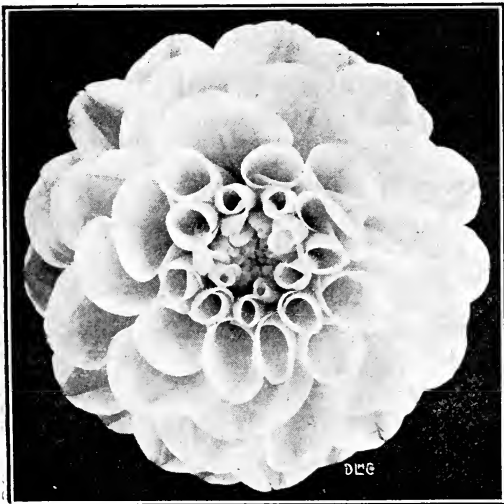
- Eloise.** Ground color blush white, shading to pink, with each petal margined with deep glowing crimson. Each 15c., doz. \$1.50.
- Fern-Leaved Beauty.** White, striped deep crimson; fern-like foliage. Each 15c., doz. \$1.50.
- Keystone.** Pink, striped crimson. Large and fine. Each 10c., doz. \$1.00.
- Lucy Fawcett.** Light yellow, penciled and spotted light carmine rose. Very large, free. Each 15c., doz. \$1.50.
- Mrs. Stancombe.** Straw, suffused amber, penciled red, mottled and tipped pinkish white. Each 15c., doz. \$1.50.
- Penelope.** White, flaked lavender. One of the best. Each 15c., doz. \$1.50.

### POMPON DAHLIAS

- Alewine.** White, flushed pink. Each 10c., doz. \$1.00.
- Fairy Queen.** Sulphur yellow, edged with deep peach. Each 10c., doz. \$1.00.
- La Petit Jean.** Dark rich crimson; very fine. Each 10c., doz. \$1.00.
- Snowclad.** Finest white Pompon to date. Each 15c., doz. \$1.50.
- Splendens imbricata.** Very bright red. Fine form. Each 10c., doz. \$1.00.

### MIXED SHADES OF DAHLIAS

These come in white, pink, red and yellow shades and contain a majority of the Double sorts. Each 10c., doz. \$1.00, 100 \$7.00.



Dahlia, Virginia Maule—See page 82



## FUNKIA VARIEGATA

A very popular foliage plant, used extensively for bordering flower beds, their green and yellow foliage making a very fine showing. Of easy culture and perfectly hardy. Each 15c., doz. \$1.50.

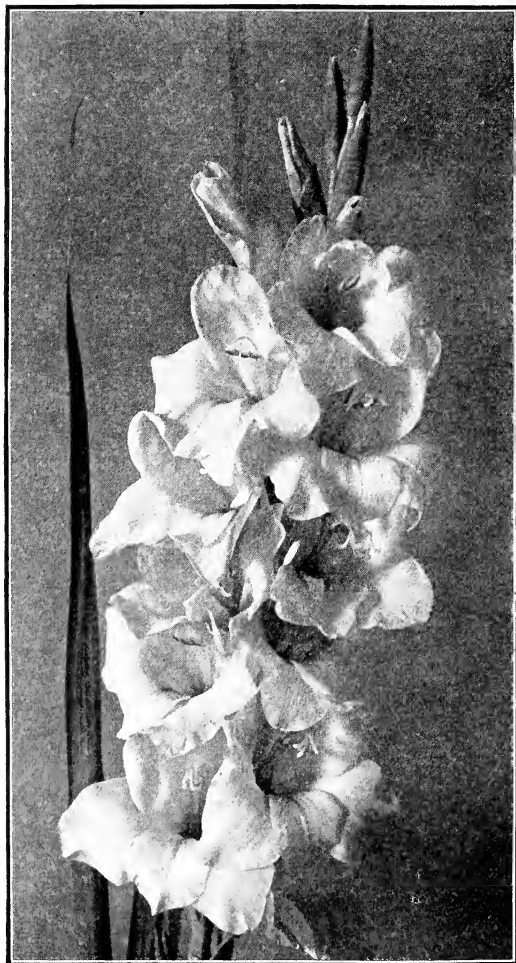
## GLADIOLI

Selected from a long list as being a complete collection of all the gorgeous colors that have been developed in this favorite flower. Each bulb will be sure to bloom this coming season.

### STANDARD SHOW VARIETIES OF GLADIOLUS

**America.** This is one of the finest Gladioli ever introduced and ranks as the best sort for cutting as well as all-around purposes. The color is a very beautiful soft pink, the coloring and texture resembling those of the Orchid. Each 10c., doz. \$1.00, 100 \$6.00.

**Attraction.** A very attractive sort; color a deep crimson with a pure white center and throat. Each 10c., doz. 90c., 100 \$5.00.



Gladiolus America

**Baron Hulot.** A most beautiful sort; color is of a rich violet blue. Flowers are of good substance, quite large and very attractive. Each 15c., doz. \$1.50, 100 \$10.00.

**Brenchleyensis.** Color a vermilion scarlet. One of the best varieties for showy masses. Each 5c., doz. 50c., 100 \$3.00.

**Cardinal.** Color a rich cardinal. Flowers are very large, borne on long spikes. Each 15c., doz. \$1.50, 100 \$10.00.

**Ceres.** White, flaked with dark rose. A very attractive sort. Each 6c., doz. 60c., 100 \$4.00.

**Columbia.** Color orange scarlet, blotched with bluish purple. This variety makes a very effective show. Each 10c., doz. 75c., 100 \$6.00.

**Gracilis.** Color a dull red, penciled slaty blue. Flowers are large and showy. Each 10c., doz. 75c., 100 \$6.00.

**Isaac Buchanan.** A very fine yellow sort. Makes a very fine show in combination with Baron Hulot. Each 10c., doz. \$1.00, 100 \$6.00.

**I. S. Hendrickson.** Mottled white and pink. Large blooms on long spikes. Each 10c., doz. \$1.00, 100 \$7.00.

**Jessie.** Velvety red. A good variety for cutting, having long spikes well filled. Each 8c., doz. 75c., 100 \$5.00.

**Melrose.** White, flaked pink, bright crimson center. Very large and showy. Each 10c., doz. 90c., 100 \$5.00.

**Mrs. Francis King.** Light scarlet in color. Very vigorous grower and free bloomer. Each 10c., doz. 75c., 100 \$4.50.

**Oddity.** Color deep amaranth red. As its name implies, a very odd colored variety. Each 10c., doz. 90c., 100 \$5.00.

**Princeps.** Large Amaryllis-like flowers, of a beautiful red color, having broad, white blotches across the lower petals. Very striking and effective. Each 15c., doz. \$1.50, 100 \$10.00.

**Salem.** A fine salmon pink. Large, open flowers, thickly set on the spike. Each 10c., doz. 90c., 100 \$5.00.

**Scribe.** A beautiful, large and open flower on a large spike. Color tinted white, striped freely with carmine. Each 10c., doz. \$1.00, 100 \$7.00.

**Sunlight.** Colored light crimson with a yellow throat. A fine and showy variety. Each 10c., doz. 90c., 100 \$5.00.

### GLADIOLI IN MIXTURE

**XXXX Mixture.** We believe this is one of the best mixtures offered and are sure those who select this mixture will have no occasion to regret it. It is made up of named varieties with a large percentage of Childsii Hybrids. The colors are marvelous and for outdoor use you cannot get any better mixture at any price. Doz. 50c., 100 \$3.00, 1000 \$25.00.

**Popular Mixture.** This mixture contains a wide range of colors but the bulbs are not strictly first size. However, they are good-sized bulbs and will produce very fine flowers and colors. Doz. 35c., 100 \$2.50, 1000 \$20.00.

**Childsii Mixture.** This is a first quality mixture of this justly famous type of Gladioli. The blooms are very large and the colorings unsurpassed. This mixture is made up of named sorts and many beautiful seedlings. We can recommend this mixture very highly. Doz. 50c., 100 \$3.50, 1000 \$30.00.

## GLOXINIA

Gorgeous house plants, and the best tuberous-rooted plants for indoor culture. Trumpet-shaped flowers of exceptional color and markings.

**Mixed.** All the popular varieties in mixture. Each 10c., doz. \$1.00.

## HELIANTHUS (Hardy Sunflower)

Very effective for borders, among shrubbery, or for clumps in lawns. Very free flowering, succeeding in almost every kind of soil. Make excellent cut flowers. Large roots. Each 15c., doz. \$1.50.

## HOLLYHOCKS

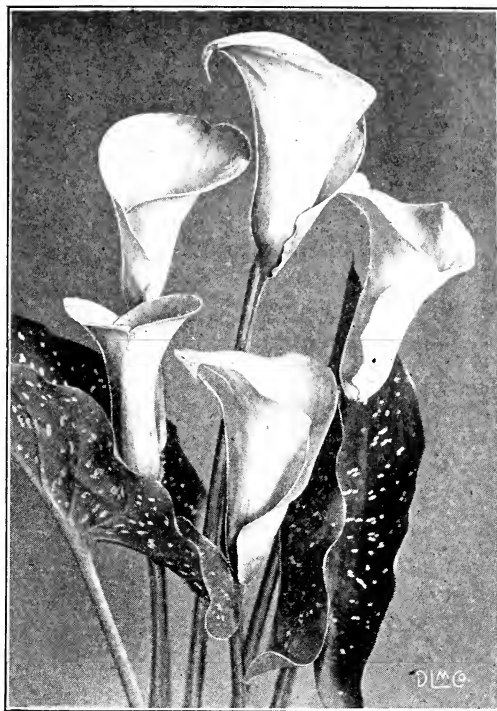
Very popular for planting in the back of border beds, along fences, around old buildings, etc. Produce large and excellent blooms of different shades. Plant in good soil well drained. We offer them in mixed colors only. Strong roots. Each 15c., doz. \$1.50.

## HYACINTH CANDICANS

**Summer-Flowering Hyacinths.** Blooms in the early Spring. Flower spike 3 to 5 feet high, bearing 20 to 30 pure white bell-shaped flowers. Half-hardy. Each 5c., doz. 50c.

## ISMENE CALATHINA

Large Amaryllis-like flowers, pure white and deliciously fragrant. Take up in October; after a few weeks, repot and flower in the house during Winter. Each 20c., doz. \$2.00.



The Golden Calla Lily

## JAPANESE IRIS

**Kämpferi.** Very large flowers. 8 to 10 inches in diameter. The best of the Iris family. Large clumps. Each 20c., doz. \$2.00.

## HARDY GARDEN LILIES

**Auratum** (The Golden-Rayed Lily of Japan). The most beautiful of all Lilies. Flowers white, dotted crimson, with a clear, golden band running through the center of each petal; very fragrant. Each 25c., doz. \$2.00.

**Speciosum album.** Pure white, with greenish band through the center of each petal. Each 20c., doz. \$1.75.

**Speciosum rubrum.** A most satisfactory sort. Flowers white, with deep rosy crimson band on each petal, and deeper colored spots between. Each 20c., doz. \$1.75.

## CALLA LILIES

**The Golden.** Distinct from all other forms of yellow Callas. Same habit of growth as the white Calla, with flowers of same size and shape, but of a clear, rich, lustrous, golden yellow. Foliage is dark green, with a number of translucent, creamy white spots, which greatly add to its beauty. Each 50c., 2 for 80c., postpaid.

**Spotted Leaf.** Leaves are a deep green with numerous white spots, which alone give the plant a very ornamental appearance. Flowers are pure white with a black center; grows freely either indoors or out in the open ground. Each 15c., 2 for 25c., postpaid.

**Black Calla, or Solomon's Lily.** Roots come from Jerusalem, in Palestine. Flower richest velvety black, including the spadix or central spike. Each 20c., 3 for 50c., postpaid.



Lilium auratum



## LILY OF THE VALLEY

These are among the nicest flowering plants. Produce small, bell-shaped flowers, which are delightfully fragrant. The foliage is also very pretty. For massing in borders or beds they cannot be surpassed. Strong clumps. Each 25c., doz. \$2.50. Pips, doz. 30c., 100 \$2.00.

## MONTBRETIAS

Resembles the Gladiolus in growth and swordlike foliage, but does not have to be lifted each Fall. The beautiful spikes of star-shaped flowers are in various shades of red, yellow and orange, and bulbs flower freely the first season.

**Mixed Colors.** 3 for 5c., doz. 15c., 100 \$1.00.

## OXALIS (Summer Flowering)

Bulbs set 3 inches apart will produce an unbroken row of elegant foliage, completely covered with the pretty flowers. Blooms very quickly after planting and furnishes a neat and attractive border the whole season. Splendid for pot culture, and when planted 6 or 8 in a pot are decidedly ornamental.

**Shamrock.** Clover-like foliage, pink blossoms.

**Deppei.** Pure white flower, very fine.

**Lasiandra.** Cut foliage, beautiful rosy-pink flowers.

**Any of the above:** Doz. 10c., 25 for 15c., 50 for 25c., 100 for 40c., postpaid.



Peonies

## PAEONIES

These flowering roots are becoming more popular every year, owing to their great range of color and magnificent showy flowers. There have been rapid strides made in color production the last few years and the shades we offer contain many of the best sorts and colors that specialists list under separate names and colors. They increase in floral beauty year after year and when once planted last a life time. Plant in rich and somewhat moist soil.

**Double White Shades.** Each 20c., doz. \$2.00.

**Double Pink Shades.** Each 25c., doz. \$2.50.

**Double Red Shades.** Each 20c., doz. \$2.00.

**"Old-Fashioned Piney"** (Officialis rubrum). Deep red color. Very double and fragrant. Each 20c., doz. \$2.00.

## PHLOX (Hardy Perennial)

A very showy flower. Blooms from July until late Autumn. Make excellent cut flowers. Adapted to most any position. We offer them in white, pink, lavender and scarlet. Each 15c., doz. \$1.50.

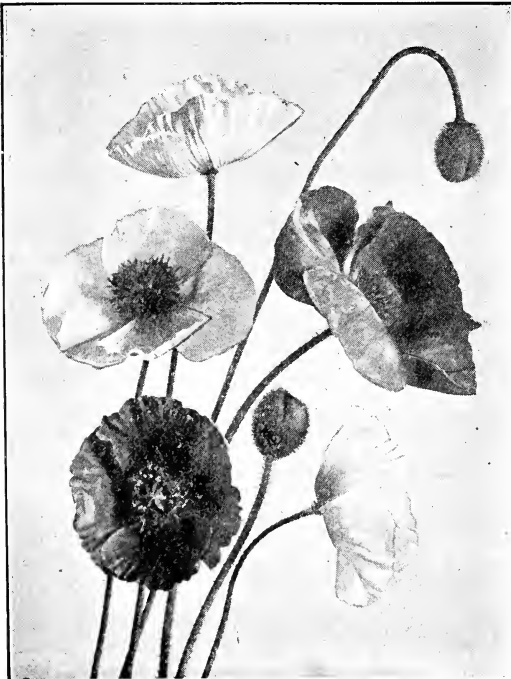
## PINKS (Scotch Clove Pinks)

These are an old garden favorite, bearing sweet clove-scented flowers in great profusion during May and June. Can be planted in clusters or used for borders. Strong plants. Each 10c., doz. \$1.00.

## POPPY

**Iceland, or Nudicaule.** This is one of the prettiest, hardy plants in existence, bearing cup-shaped flowers in a large variety of colors, from the purest white to the deepest orange. The foliage is Fern-like, above which rise the flowering stems. Very profuse bloomers. Strong plants. Each 15c., doz. \$1.50.

**Oriental.** This variety of Poppy produces flowers of gorgeous effect. The large, brilliant-colored flowers make them very conspicuous. Make a fine showing when planted in beds or among other flowering plants. Each 15c., doz. \$1.50.



Iceland or Nudicaule Poppy



Sweet William

**RUDBECKIA (Golden Glow)**

A very showy flower, growing on stems about four feet tall. Once established they continue to multiply their roots, making a larger showing each succeeding year. Large clumps. Each 10c., doz. \$1.00.

**SWEET WILLIAM**

Beautiful old-fashioned, favorite border plants; also effective when planted in clusters. Assorted colors. Each 10c., doz. \$1.00.

**TIGRIDIA (Tiger, or Shell Flower)**

Grows about three feet high, wide open triangular blooms 4 to 6 inches across.

**Conchiflora.** Dark yellow, large red spots.

**Pavonia grandiflora.** Bright crimson, center mottled with yellow.

**Grandiflora alba.** Pearly white, spotted crimson.

Any of the above: Each 6c., 3 for 15c., doz. 50c., postpaid.

**TRITOMA PFITZERI**

(Red-Hot Poker Plant)

Brilliant, rich scarlet-orange flower, gracefully poised above the rich green foliage. Each 20c., doz. \$2.00.

**TUBEROSES**

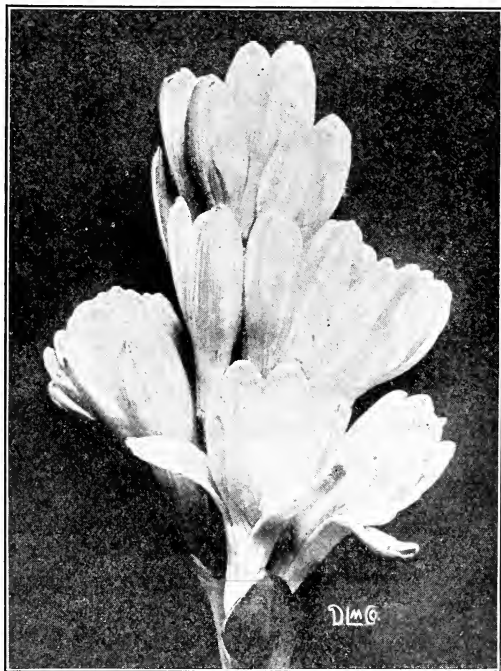
**Excelsior Double Dwarf Pearl.** Long spikes, 20 to 30 inches high, with large, double, pure white flowers of exquisite fragrance.

**XXX Grade.** Each 5c., doz. 40c., 100 \$2.00.

**XX Grade.** 2 for 5c., doz. 25c., 100 \$1.25.

**WALLFLOWER**

This is an old favorite flower, being very popular among the English. Fragrant. Assorted colors. Each 15c., doz. \$1.50.



Tuberose, Excelsior Double Dwarf Pearl

**NOLL'S GARDEN GUIDE**

**A** SHORT treatise on How and When To Plant Seeds, Plants, Bulbs, Shrubbery, Etc. Also, how to care for them. Short directions for Vegetable and Flower culture. Tells how to construct coldframes and hotbeds. Contains spraying calendar, Planting tables; also tells about transplanting the different sorts of plants, preparation of soil, fertilizers, etc. Price 25c., or free (if requested) with purchases of \$1.00 or over, either vegetable or flower seeds.



# HARDY ORNAMENTAL TREES, ETC.

We import these in large quantities from Holland every year and know you cannot get better value for the money anywhere. The plants we offer are good shape, robust and vigorous. The following list comprises the most beautiful varieties and will thrive in almost any climate in this country. Shipped by express, not prepaid.



Pyramidal Box Tree

## BUXUS SEMPERVIRENS (Boxwood)

Fine for producing effects in lawns, driveways, walks, etc. Keep green all the year round; very hardy and vigorous. We offer ball-shaped plants as follows: 1 ft., each 30c.; 1½ ft., each 50c.; 2 ft., each 75c.; 3 ft., each \$2.00; 4 ft., each \$3.00.

**Pyramidal form.** 3-ft. plants, each \$2.00.

**Globe-shaped.** Fine plants, 18-in. diameter, each \$2.00; 12 to 15-in. diameter, each \$1.00.

## ABIES NORDMANNIANA (Silver Fir)

This is one of the most beautiful foliage trees we offer. Foliage is a massive dark green, having a silvery effect above, and glaucous below, producing a fine sight to behold throughout the year. 2-ft. specimens, each 75c.; 2½ ft., each \$1.25; 3 ft., each \$1.75.

**Abies Sitchensis.** A very rapid-growing and beautiful sort. Will make an effect quicker than any other kind. Fine plants. 2 ft., each 50c.

**Abies Veitchii** (Japan Fir). This variety originated in Japan, and is one of the most beautiful specimens grown. 2 ft., each 75c.; 2½ ft., each \$1.00; 3 ft., each \$1.50.

## PICEA PUNGENS (Koster Blue Spruce)

A selection out of the bluest tints of the Colorado Blue Spruce. This is one of the most attractive conifers yet introduced. Makes a fine show on lawns, cemeteries, drive entrances, walks, etc. Holds its color throughout the year. Fine specimen plants: 1¼ to 1½ ft., each \$1.00; 1½ to 1¾ ft., each \$1.25; 2 to 2½ ft., each \$2.50; 2½ to 3 ft., each, \$3.00.

## RETINISPORA OBTUSA GRACILIS

A very graceful variety of Japan Cypress and should be largely planted. Is hardy in the latitude of New York. Fine specimen plants. 2½ ft., each \$1.50.

## RETINISPORA PISIFERA

### AUREA (Japan Cypress)

Grows in a pyramidal form; is very graceful and of a beautiful, bright golden color. Plants 2 to 2½ ft. high, each \$2.00.

## RETINISPORA SQUARROSA

This is another variety of the Japan Cypress but has steel-colored foliage. This variety grows very compact and can be pruned into almost any shape or size desired. Plants 2 to 2½ ft. high, each \$2.00.



Koster's Blue Spruce

## HARDY ORNAMENTAL TREES, ETC.—Continued



Japanese Maple

**AZALEA MOLLIS**

This variety is perfectly hardy, and during May produces brilliant-colored flowers in different salmon shades. The foliage appears immediately after the flowers have dropped. Very showy plants for massing. Plants about 1 ft. high, each 35c., doz. \$3.50. We also offer this variety on stems about 2 ft. tall, each 75c., doz. \$7.50.

**AZALEA AMOENA**

This variety is practically green with foliage throughout the year. In the late Spring the plants become literally covered with small, rosy-crimson flowers, which produce a wonderful effect. Plants about 1 ft. high, each 50c., doz. \$5.00.

**DEUTZIA GRACILIS**

A graceful and charming shrub, bearing pure white flowers over the entire plant; blooms during June. 1 ft. plants, each 20c., doz. \$2.00.

**CALYCANTHUS FLORIDUS**

(Sweet Scented Shrub)

This is an old but very popular shrub. Flowers are of a deep purple color, which are very fragrant. Each 25c., doz. \$2.50.

**ACER POLYMORPHUM**

(Japan Maple)

These foliage trees are very beautiful, especially in the Fall, when they are in full leaf. For effects in lawns they cannot be surpassed. The trees we offer are good, thrifty stock.

**Japonicum aureum.** The foliage of this variety is colored yellow, of a fascinating shade; strong plants. Each \$1.00, doz. \$10.00.

**Palmatum dissectum viride.** This variety produces foliage of a delicate green shade, finely cut; makes a handsome appearance; strong plants. Each \$1.00, doz. \$10.00.

**Polymorphum atropurpureum.** This is one of the standard varieties, producing quite large foliage of a dark purple. Grows into a bushy tree, which adds effect to any lawn. Strong pot-grown plants. Each \$1.00, doz. \$10.00.



Rhododendron

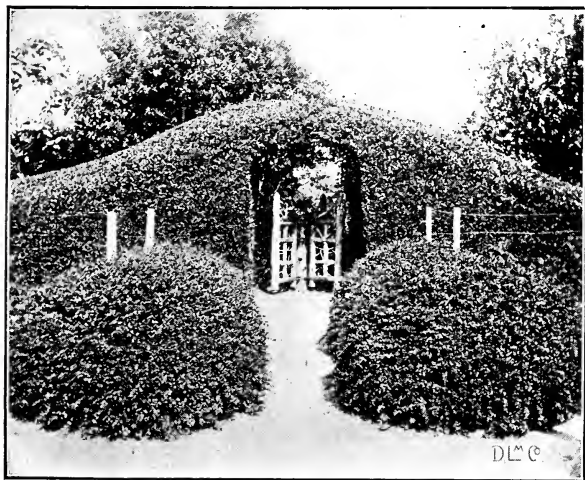
**CALIFORNIA PRIVET**

(Ligustrum ovalifolium)

The most popular hedge plant grown. Extremely hardy and a rapid grower. Can be pruned into almost any shape desired; cutting improves them. We offer strong, healthy plants. 100, \$5.00, 1000 \$40.00.

**RHODODENDRONS**

These plants are favorably known. Are used in almost every way in landscape gardening; but do best in shaded positions. They can be used for massing, making a very fine show all the year round, especially when in bloom. The plants we offer are thrifty and healthy stock. Colors represented are white, pink, red and purple. Each \$1.00, doz. \$10.00.



Privet



## HARDY ORNAMENTAL TREES, ETC.—Continued



Japanese Snowball

**CRATAEGUS OXYACANTHA**

(Hawthorn)

A very pretty tree shrub. Flowers are borne in profusion, colored red and white. It can also be used as a hedge, the branches being studded with thorns, thereby keeping dogs, etc., from going through. We offer them in pyramidal form, also on stems. Each 60c., doz. \$6.00.

**ALTHEA** (Rose of Sharon)

These plants produce robust bushes, which make a very pretty effect on lawns, or borders. The flowers are large and very pretty. Different colors. Strong plants. Each 35c., doz. \$3.50.

**HYDRANGEA PANICULATA**

(Bush Form)

This is one of the most popular and desirable plants you can grow. Produces oblong-shaped flowers about August. Are a greenish white when first appearing, gradually turning white, later they turn a reddish color. Can be used as a dry flower for decorative purposes. Good, thrifty plants. Each 25c., doz. \$2.50.

We also supply this variety on stems about 3 feet high. Each 50c., doz. \$5.00.

**VIBURNUM OPULUS**

A variety of Japan Snowball, long and well known. Produces in profusion ball-shaped blooms, pure white in color. The foliage is a shining green; very showy. Strong plants. Each 25c., doz. \$2.50.

**VIBURNUM PLICATUM**

Produces globular-shaped blooms, pure white in color. Color of foliage very handsome dark green, crinkled. This variety of Snowball is a very long bloomer, lasting for weeks during the Spring. Strong plants. Each 35c., doz. \$3.50.

**WEIGELA**

This plant is of Japanese origin. Produces large, trumpet-shaped blooms along the branches during June and July. The variety we offer, *Eva Rathke*, is one of the finest grown. Color a rosy crimson. Large plants. Each 25c.

**LILAC**

An old favorite flowering bush. We offer them in colors, purple and white. Strong plants. Each 35c.

**PHILADELPHUS** (Mock Orange)

This is another flowering bush. Extremely hardy; produces pure white flowers, which are very fragrant. Large plants. Each 25c., doz. \$2.50.

**FORSYTHIA FORTUNEI**

(Golden Bell)

This is a very early-blooming bush, the flowers appearing before the foliage. Very attractive and perfectly hardy. Large plants. Each 25c., doz. \$2.50.

**DOUBLE FLOWERING PEACH**

A very pretty, flowering shrub; flowers are very double and of a fine pink color. Blooms in early Spring. Each 40c.



Hydrangea paniculata grandiflora

## HARDY ORNAMENTAL TREES, ETC.—Continued

**DOUBLE FLOWERING PLUM**

This is a very showy shrub, perfectly hardy. Flowers are semi-double, of a delicate pink color. Blooms in May. Each 50c.

**MAGNOLIA**

**Magnolia Soulangeana.** A very popular, flowering tree, bearing pinkish-white flowers in early Spring. After appearing in full bloom, the flowers drop, after which the foliage appears, which is a glossy green. Large trees, 4 to 5 ft., each \$2.00.

**Magnolia speciosa.** This variety produces pure white flowers. Trees, 4 to 5 ft., each \$1.75.

**Magnolia Lenne.** This is one of the most beautiful of the Magnolias. The blossoms are a deep red and are very large. 4-ft. trees, each \$2.50.

**SPIRAEA VAN HOUTTEI**

An early Spring-blooming shrub. Pure white flowers borne along graceful branches. Very popular. Fine plants. Each 25c.

**ANDROMEDA FLORABUNDA**

(Lily of Valley Tree)

Of dwarf habit, having upright panicles of nodding, waxy-white flowers. Blooms in May. Each \$1.00, doz. \$10.00.

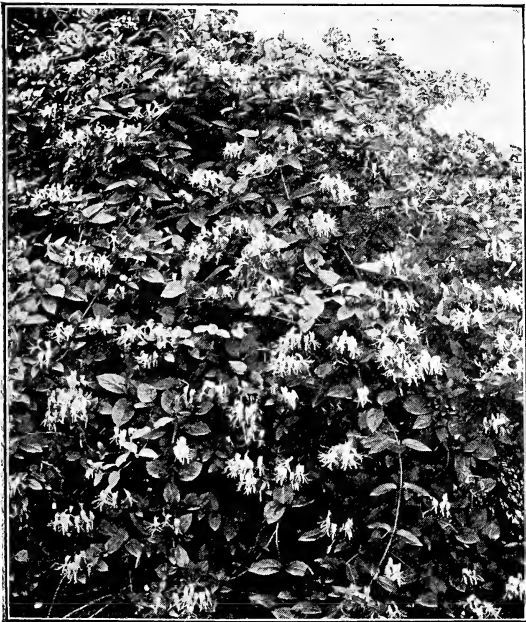
**AMPELOPSIS VEITCHII (Boston Ivy)**

This is one of the handsomest vines to grow on walls or sides of brick houses. Clings very firmly to the smoothest surfaces. Each 25c., doz. \$2.50.

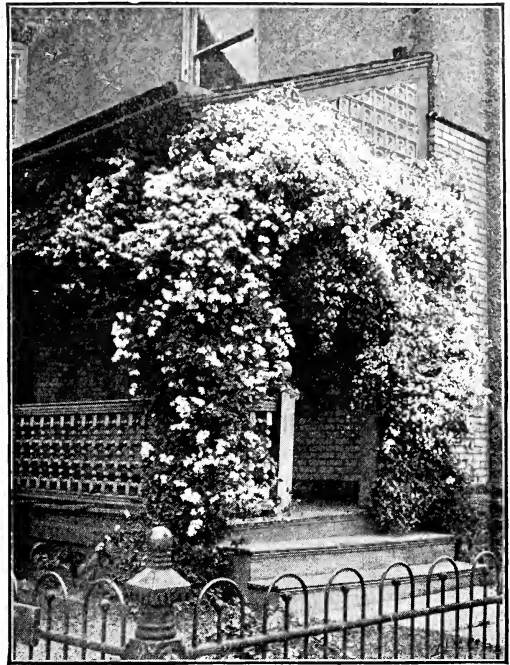
**ARISTOLOCHIA SIPHO**

(Dutchman's Pipe)

Brownish-colored flowers, which resemble a pipe in shape. This vine grows quite rapidly, producing very large, heart-shaped foliage. Each 50c., doz. \$5.00.



Lonicera



Clematis

**BIGNONIA GRANDIFLORA**

(Trumpet Creeper)

Strong plants.....Each 40c.

**CLEMATIS**

This is one of the most popular climbers we know of. Grows best in a sandy loam. Produces large blooms, which are most beautiful. We offer the following varieties, potted plants.

**Jackmanii.** Flowers colored a fine purple. Each 50c.

**Henryi.** Pure white, fine large flowers. Each 50c.

**Ville de Lyon.** A beautiful red; large. Each 50c.

**Duchess of Edinburgh.** This variety is a double flowering white, very beautiful. Each 50c.

**Paniculata (Virgin's Bower).** This variety produces small white flowers, in clusters, covering the plant over the entire top. Each 30c.

**LONICERA (Honeysuckle)**

The popular old-fashioned climbing plant. Very sweet scented and free flowering. A rapid climber, making a dense foliage. Valuable for covering unsightly buildings, fences, etc. Each 25c., doz. \$2.50.

**VINCA (Major)**

Also called Old Maid

Trailing habit; fine for hanging-baskets or window-boxes. Strong plants. Each 25c.

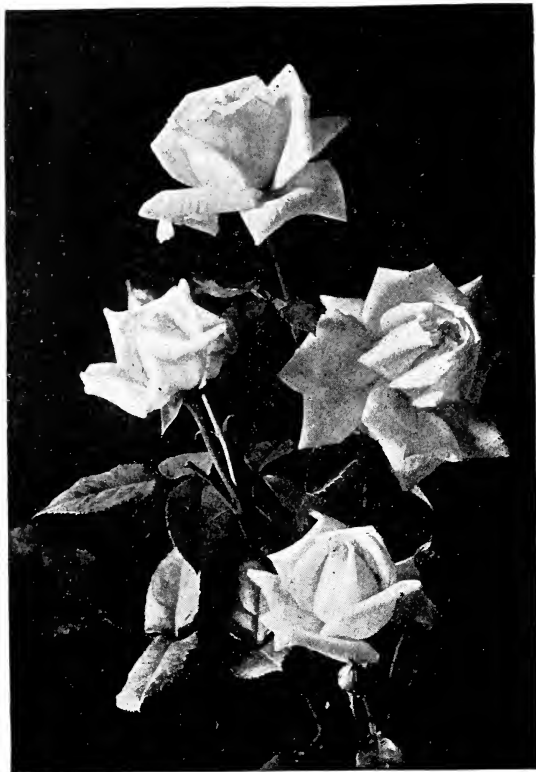
**VINCA (Minor)**

Generally used for covering graves, etc. Each 25c.



## NOLL'S SELECTED ROSES

We have used great care in the selection of the following list of Roses and are positive they will please all purchasers. The varieties offered are two-year-old plants, field-grown and then potted and with ordinary care will produce the finest flowers and most fascinating colors. Customers wishing Rose plants shipped will bear in mind that the sizes we offer are not mailable but are shipped by express at purchaser's expense.



Rose, Kaiserin Augusta Victoria

- Bridesmaid.** A popular variety. Produces large flowers, full and fragrant; color rose pink shaded darker. A very desirable variety for cutting. Each 25c., doz. \$2.00.
- Cardinal.** A very desirable, new variety; a strong grower and a free bloomer. Produces large, full flowers of a deep crimson color. Each 35c., doz. \$3.50.
- Champion of the World.** All that the name implies; in color, vigorous growth, constant blooming, hardiness, etc. Color a dark rose pink, flowers large and full. Each 30c., doz. \$3.00.
- Clothilde Soupert.** A very fine Rose; flowers large and full, very fragrant; color creamy white, center a bright pink. Each 30c., doz. \$3.00.
- Coquette de Lyon.** A large-flowering variety; color a delicate canary yellow. Produces very large flowers of great substance. A fine variety for cutting. Each 25c., doz. \$2.50.
- Helen Gould.** This variety is well known as an extra large bloomer, bearing immense flowers of a rich crimson color. The flowers are borne in great masses throughout the entire Summer season. A most desirable variety. Each 30c., doz. \$3.00.
- Kaiserin Augusta Victoria.** A very well-known variety. Produces large, full flowers of a creamy white color, which are very fragrant and of great substance. A very profuse bloomer. Each 30c., doz. \$3.00.
- Killarney.** One of the finest Roses in cultivation. Produces very large blooms of a rich pink color. It is a free bloomer, very fragrant, and in every detail a superb variety. Each 40c., doz. \$4.00.
- La France.** This, no doubt, is the best-known Rose cultivated today. This superb variety blooms constantly during the season, oftentimes being in bloom when freezing weather sets in. Color a delicate shade of peach blossom, suffused with rosy flesh. Flowers and buds are of good form and very large. Each 40c., doz. \$4.00.
- Laurent Carle.** A very vigorous-growing variety; bears large bud-like blooms of a brilliant velvety carmine. It is very fragrant and an excellent variety for exhibition purposes. Each 30c., doz. \$3.00.
- Lucullus.** One of the darkest-colored Roses, sometimes called the "black rose," on account of its deep crimson color. A constant bloomer, flowers large and full. Each 30c., doz. \$3.00.
- Magnafrano.** This grand variety deserves a place in every Rose garden as it is one of the finest varieties yet introduced. In color it is crimson scarlet, resembling Gen. Jacqueminot. The flowers are large and full; very fragrant and perfectly hardy. An excellent variety for cut flowers. Each 40c., doz. \$4.00.
- Mme. Caroline Testout.** A very popular and splendid Rose for bedding purposes. Produces large flowers that rival those of La France, the color differing, being a cherry red, edged with silvery rose. Strong plants. Each 30c., doz. \$3.00.
- Mme. Margottin.** A very profuse bloomer; large full flowers of great substance; color a rich citron red, shaded with apricot. A very desirable variety as it is a constant bloomer. Each 25c., doz. \$2.50.
- Mrs. Aaron Ward.** A distinct variety. Color coppery orange when in bud, golden orange when partly developed and a pinkish fawn when fully open. One of the most beautiful Roses in cultivation. Each 50c., doz. \$5.00.
- Mrs. David Jardine.** Delightful shade of bright rosy pink, shading to salmon pink in the outer petals. Large, perfect form; very highly perfumed. One of the best all-around Roses. Each 40c., doz. \$4.00.
- Mrs. Theo. Roosevelt.** Creamy white with rose-colored center. Large, full flowers borne on long stems. A very attractive variety. Each 25c., doz. \$2.50.
- Safrano.** This variety is noted for its constant blooming. Color is a bright apricot yellow, often assuming an orange color. It is very fragrant and a quick bloomer. Each 25c., doz. \$2.50.
- The Bride.** One of the most desirable pure white Roses grown today. Produces large bud, flowers pure white, slightly tinted flesh color sometimes. A constant-flowering variety. Each 25c., doz. \$2.50.

## NOLL'S SELECTED ROSES—Continued

**White La France.** Beautiful light fawn color, almost white. Rightly described as a white La France. Very fine. Each 30c., doz. \$3.00.

**American Beauty.** Too well known to need much description. Very fragrant; color deep pink to crimson. This variety is very desirable for cutting purposes. Each 40c., doz. \$4.00.

**Baron De Bonstetten.** A large, full Rose; color blackish crimson. This is still a very popular Rose and can be found in most Rose gardens. Each 25c., doz. \$2.50.

**Capt. Christy.** A very fine Rose. Perfectly hardy and vigorous. Color, delicate peach-blow pink with darker center. Flower large and full. Each 30c., doz. \$3.00.

**Clio.** Flesh color shaded in the center to rosy peach. Flowers are large, fine form. A free bloomer. Each 30c., doz. \$3.00.

**Duke of Edinburgh.** Color a bright vermillion; flowers extra large and full. A splendid variety. Distinct. Each 40c., doz. \$4.00.

**Frau Karl Druschki.** The finest white Rose yet introduced. Produces immense blooms, very double and full. A free bloomer; perfectly hardy; a vigorous grower. Each 35c., doz. \$3.50.

**General Jacqueminot.** This is one of the most desirable Hybrid Perpetual varieties to grow. The color is a very dark crimson. A very hardy and vigorous grower; early and profuse bloomer. Each 30c., doz. \$3.00.

**Hugh Dickson.** A very vigorous and free-blooming variety. Color brilliant crimson, shaded scarlet. Large and fine form, opening well in all weathers. Each 35c., doz. \$3.50.

**Magna Charta.** A most beautiful sort, large full flowers of great depth and substance. Color a bright, rosy pink; a very profuse bloomer. Each 25c., doz. \$2.50.



Paul Neyron



Ulrich Brunner

**Mrs. John Laing.** One of the most popular Roses grown today. Very vigorous and hardy. Blooms are large, color a fine pink. Free bloomer. Each 35c., doz. \$3.50.

**Paul Neyron.** Claimed by many to be the largest-flowering variety cultivated today. Produces immense blooms, dark rose in color. Sometimes called the "Paeony-flowering" Rose on account of its large size. Each 30c., doz. \$3.00.

**Prince Camille de Rohan.** This is the darkest-colored Rose of them all. Color a velvety dark crimson, almost black. Flower large size and of great substance. Each 25c., doz. \$2.50.

**Ulrich Brunner.** A very popular hardy perpetual Rose. Color is cherry red. Flowers are large and fragrant. Keeps quite some time, which makes it valuable for cutting purposes. Wood is almost thornless; foliage very strong. Each 30c., doz. \$3.00.

## CLIMBING ROSES

**Baltimore Belle.** One of the most desirable climbing Roses. Color blush white; bears flowers in dense clusters. Extremely hardy. Each 25c., doz. \$2.50.

**Dorothy Perkins.** A splendid Rose. First class in every respect. Color beautiful shell pink. Flowers are borne in large clusters of small double blooms. Sweet scented. Each 25c., doz. \$2.50.

**Tausendschoen.** This variety was originated in Germany. While practically new it has already gained favor among Rose lovers. Color a delicate shade of pink. Flowers borne abundantly. Each 25c., doz. \$2.50.

**Crimson Rambler.** Too well known to need description. Very desirable for arches, trellises, etc. Strong plants. Each 25c., doz. \$2.50.

**Pink Rambler.** Each 25c., doz. \$2.50.

**White Rambler.** Each 25c., doz. \$2.50.

**Yellow Rambler.** Each 25c., doz. \$2.50.



# "PENNSYLVANIA" QUALITY MOWERS



WILL RUN  
**10 YEARS**  
WITHOUT RE-SHARPENING

Pennsylvania  
Undercut  
B. B.  
Trimmer

Will cut with-  
in  $\frac{1}{4}$  inch of  
any obstruc-  
tion. Perfect-  
ly balanced.  
Blades are  
Penna. quality.



Easy running

Price \$10.00

## GLADIATOR

(Ball-Bearing)

This is one of the best mowers on the market, at the price asked for same. Made out of first class material in every respect. Has hardened bearings of the best quality. Nicely finished, strong and durable.

14 in., 4 bladed cylinder.....\$4.50

16 in., 4 bladed cylinder..... 4.75

18 in., 4 bladed cylinder..... 5.00

## THE KEYSTONE BALL-BEARING LAWN MOWER

This mower will last indefinitely, as the materials used in the making of it are the best money can buy. The revolving blades are made out of old-fashioned crucible steel; the same kind that is used for drills, drawing knives, hatchets and other tools requiring a keen edge and are oil-tempered. It is absolutely self-sharpening and actual tests have shown that in ordinary use the Keystone mower has run ten or a dozen years without going to the shop for re-sharpening. For ease of operation and long life, Keystone Mowers have no equal. They are adjusted with the accuracy of a bicycle, making them the easiest running of all mowers.

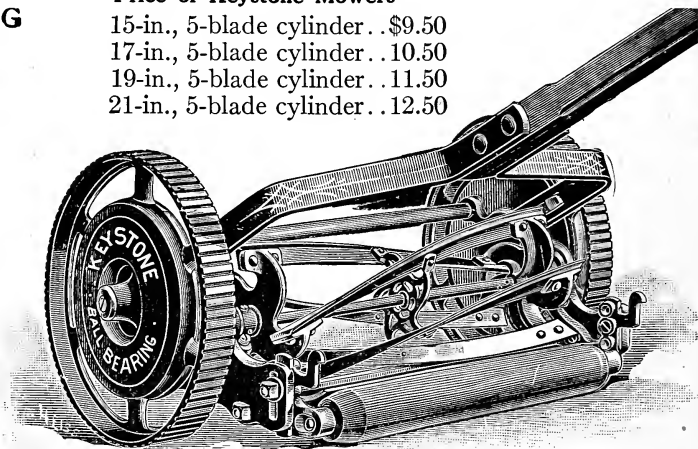
### Price of Keystone Mowers

15-in., 5-blade cylinder..\$9.50

17-in., 5-blade cylinder..10.50

19-in., 5-blade cylinder..11.50

21-in., 5-blade cylinder..12.50



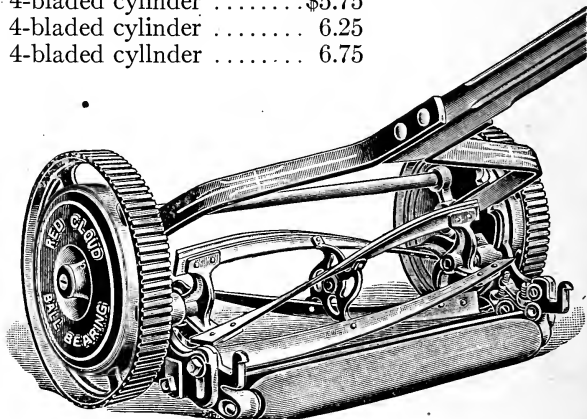
## RED CLOUD (Ball-Bearing)

For a popular price mower this cannot be beaten. First class in every respect, material, workmanship, finish, durability, etc. Knives are made out of crucible steel, oil tempered and hardened.

14-in., 4-bladed cylinder.....\$5.75

16-in., 4-bladed cylinder..... 6.25

18-in., 4-bladed cylinder..... 6.75



## SPRAYERS, ETC.

### AUTO-SPRAY NO. 1

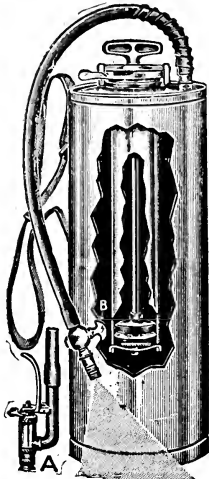
The standard compressed air sprayer.

Capacity about 4 gallons.

Practical for every variety of spraying. For trees, vines, potatoes, tobacco, and all field crops. Also for handling disinfectants and whitewash in the poultry house.

The Auto-Spray No. 1 is guaranteed against defect and to be satisfactory.

Made with either heavy brass or galvanized steel tank. Brass pump, 2-in. diameter. The pump is locked air-tight to the tank by means of a sliding cam. **No screw connections to wear out or leak.** Two or three pumpings will empty the tank. After pumping, all the operator has to do is to direct the spray.



Auto-Spray No. 1

Tank construction is the strongest known. The seams are locked, soldered and riveted.

Each machine equipped with 2 ft.  $\frac{1}{2}$  in. hose, fine spray nozzle, solid stream cap, and either stop cock "B," or automatic shut off "A," as ordered.

**AUTO-POP NO. 1-"A."** Automatic and leakless



In the Potato Field

shut-off. Great labor and solution saver. Draws a cleaning wire through the nozzle at each operation.



2-ft. Brass Extension

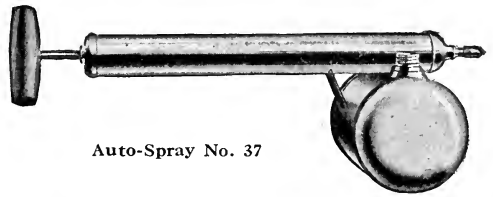
Net cash prices.

Auto-Spray No. 1-A, brass tank with stop cock	\$6.75
Auto-Spray No. 1-B, brass tank with auto-pop	7.65
Auto-Spray No. 1-C, galv. tank with stop cock	4.50
Auto-Spray No. 1-D, galv. tank with auto-pop	5.40
Brass Extension, 2 ft.	.45
Brass Elbow	.27
Brass Strainer	.90

Shipping weight each machine in a box, 15 lbs.

**See Page 103  
FOR INSECTICIDES AND  
SPRAYING MATERIAL**

### AUTO-SPRAY NO. 37



Auto-Spray No. 37

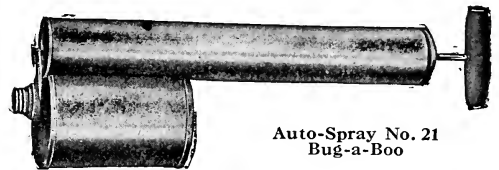
Continuous mist sprayer. Will handle all solutions. Compact design. Highly finished.

Throws a continuous, not intermittent, spray. Fitted with two spray caps, one straight, the other at an angle for reaching the under side of rose bushes and broad leaves. Will spray with tank at any angle. Solution does not come in contact with pump cylinder.

Net prices

All tin	\$0.75
Galv. Reservoir	.90
Brass Reservoir	1.25

### AUTO-SPRAY NO. 21



Auto-Spray No. 21  
Bug-a-Boo

Made of good, heavy material. Patented construction of nozzle. Ensures a broad spray.

Net prices

All Tin	\$0.50
Brass Reservoir	.75

### NON-CLOG ATOMIC NOZZLE



This nozzle will fit all connections of standard make and may be used on any barrel or power sprayer. It has standard quarter-inch pipe thread.

Only nozzle that positively will not clog.

Will throw full graduation of spray, from a solid stream to a fine mist, and the alteration is made by the simple adjustment of a movable disc.

Each nozzle furnished with four spray caps with apertures of different size.

Net prices

Non-Clog Atomic Nozzle, brass	\$1.05
Non-Clog Atomic Nozzle, aluminum	1.25

Post prepaid, in special mailing box.

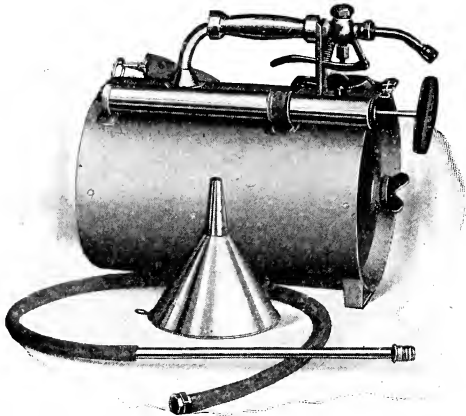


## SPRAYERS—Continued

**THE LOWELL COMPRESSED AIR SPRAYER**

This Sprayer is well adapted for the fruit grower, stockman, poultryman, florist, etc. The air compressor or pump has a brass cylinder  $1\frac{1}{8}$  in. in diameter, which is placed outside of the pump and is detachable. It screws into a cast brass seat which contains a  $\frac{1}{2}$ -in. ball check-valve, also detachable.

It is the strongest small tank sprayer ever made, being constructed of heavy sheet brass or galvanized steel. No other Sprayer will stand half the pressure. Every Sprayer when completely assembled is tested



by air to 60 lbs. to the square inch, while the pressure in service never exceeds 35 lbs.; therefore, no safety valve or indicator is needed with the Lowell.

The heads are convex and are formed on a true circle so that the air resistance is the same at all points. It is impossible to blow them out. These Sprayers are made in one size only. Complete, ready for use. Brass \$6.50 each, galvanized steel \$5.00 each.



**LOWELL  
CONTINUOUS SPRAYER**

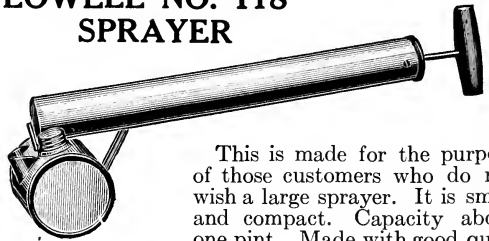
As the name implies, is so constructed that it not only sprays on the downward stroke of the plunger, but also when it is drawn back, thus causing a continuous mist-like spray.

Solution tank is made from heavy IX tin and is so constructed that the Sprayer will not tip over when filling. Capacity one quart. Each 75c.



**THE LOWELL  
SPECIAL SPRAYER**

Is a single tube tin Sprayer. The pump cylinder measures  $1\frac{1}{2}$  in. in length by  $1\frac{3}{4}$  in. in diameter. The special arrangement of the spraying tube is such that thoroughly breaks up or atomizes all oils and solutions into a fine mist-like spray, which penetrates all cracks and crevices. This sprayer is adapted for all kinds of general spraying and is used very extensively for spraying disinfectants, etc. Each 50c.

**LOWELL NO. 118  
SPRAYER**

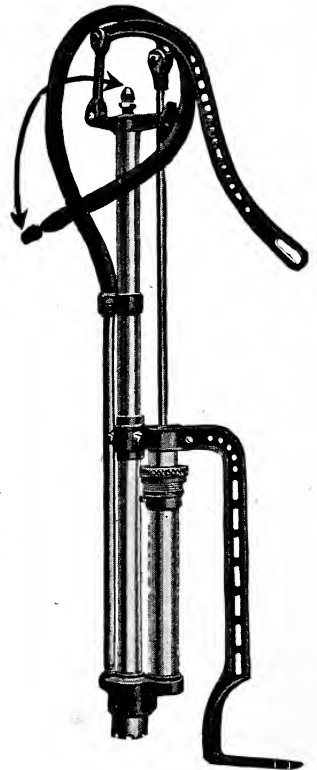
This is made for the purpose of those customers who do not wish a large sprayer. It is small and compact. Capacity about one pint. Made with good quality tin. Each 35c.

**IRON AGE BUCKET PUMP  
SPRAYER No. 192**

For home, trees, bushes, etc., and for white-washing, washing windows and other odd jobs where a small hand pump can be used economically but with good results. You can easily maintain a pressure of 100 lbs. when spraying. This pump can be used in any kind of solution and whether hot or cold. All parts which come in contact with the solution are brass, and cannot be injured by corrosion. No leather valves, which would be affected by hot solutions or strong mixtures, but candle-wick packing, which is easily and cheaply replaced when necessary—simply unscrew the stuffing box nut, lift the gland and put in the new packing—then when you screw the nut down on the top of the gland, you have the same even pressure all around. It is not necessary as in other bucket pumps to remove the plunger in order to repack.

Bronze ball valves are used—to remove them, simply insert any flat piece in the slot in the suction cap (lower valve seat) and unscrew from pump base; then the upper valve seat is exposed and it is removed in the same way. Here, again, we have the better of the other pumps of the same style; they must entirely remove the air chamber tube and plunger cylinder to get at the valves; it is difficult for the ordinary man to replace them without having leaks. In the Iron Age there is no danger of such leakage.

Furnished with improved Vermorel nozzle and best quality half-inch hose, also one extra cap for washing wagon, windows, etc. Each \$6.00.



## SPRAYERS—Continued

Fits any  
barrel

### IRON AGE No. 191 VERTICAL BARREL SPRAYER PUMP

This outfit answers the same purposes as No. 190 Horizontal Barrel Sprayer but adapts itself to other conditions and combinations—that makes it desirable to some customers. "Sold without barrel—this simplifies the shipping (in most cases), lessens the freight and takes up less room for storage. It can be fastened to any barrel. Can be used in a bucket if necessary. The pump is outside, nothing inside but the suction pipe and automatic dasher which keeps the solution disturbed. Pump is easily gotten at—is not covered with slime, and solutions cannot corrode it. Handles any kind of solutions, hot or cold, without any damage to the pump. No leather packing is used—regular hemp packing only. Price, with one lead, 15 ft. ½-inch discharge hose, one nozzle and strainer, \$18.50.

### No. 190 HORIZONTAL BARREL SPRAYER

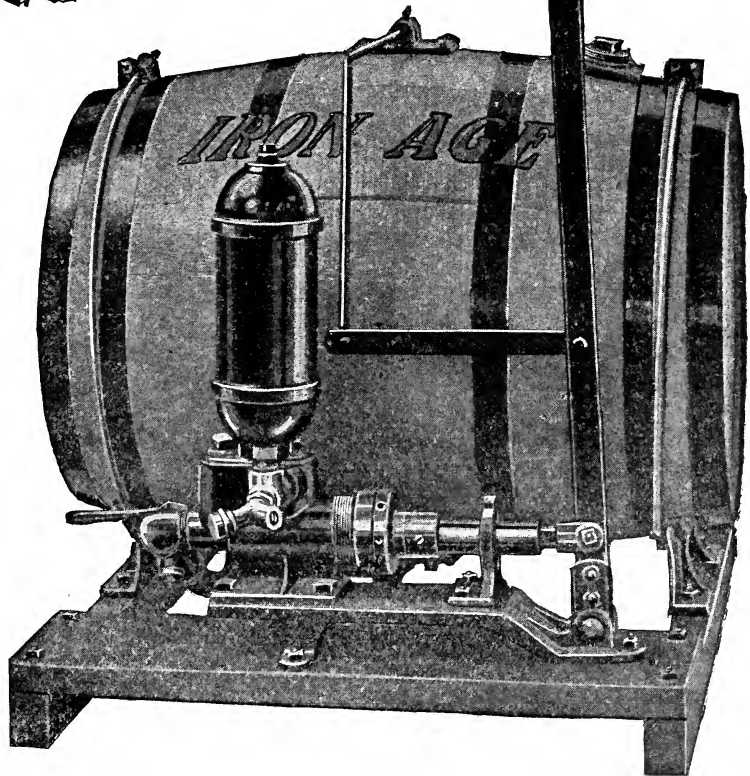
For small orchard or garden, for the man who cannot afford nor find use for

the combination potato and orchard machine or the big power sprayer equipments.

Used in any wagon or cart—or on a sled—one horse is enough. Being mounted in a horizontal position on a platform or a skid and held by same style adjustable hoops as on regular wood tank, this outfit is not easily overturned, whether empty or filled.

Pump is outside, the convenient and natural way; saves the pump from corrosion and is easy to get at and more pleasant to handle. 100 to 125 pounds pressure with easy movement of the handle. Hemp packing only—leather wears and hardens and is useless for this purpose. Has bronze ball valves only. Each sprayer has double hose couplings, so that either one or two leads of hose can be used.

Price, with one lead, 15 ft. ½-inch discharge hose, one nozzle and strainer, \$23.50.

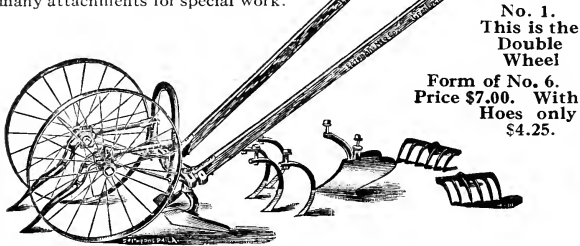




# IRON AGE FARM AND GARDEN IMPLEMENTS

## No. 1 Double and Single Wheel Hoe

Opens and closes furrows, takes care of first workings without danger to the young plants, goes astride or between the rows, cultivates, weeds, levels, etc. Does a days' work in 60 minutes. Saves old-fashioned back-breaking work—you walk upright with this tool and weeds never get the best of you. Takes many attachments for special work.



No. 1.  
This is the  
Double  
Wheel

Form of No. 6.  
Price \$7.00. With  
Hoes only  
\$4.25.

## The No. 9 "Iron Age" Single Wheel Hoe Cultivator, Plow and Rake

Price complete \$5.25

Price No. 10 Plain (Hoes only) \$3.25

For the small kitchen garden we consider the single hoe as being preferable. With the single wheel tool spaces of exceedingly narrow width can be worked, even using but one cultivator tooth. With the large plow attachment deep furrows can be opened or closed; potatoes, celery and other crops hilled.



## No. 6 Combined Double and Single Wheel Hoe Hill and Drill Seeder

Sows seed in continuous rows or drops in hills at 4, 6, 8, 12 or 24 inches apart. Lever makes quick change. Opens its own furrow, covers it and packs the soil. Has accurate feed, without injury to the seed. Latter is dropped in plain sight—no guess work. The high wheel runs easy. The Wheel Hoe form of this tool is No. 1, shown above.

No. 6  
Combined  
Price \$12.00.  
Drill only  
\$9.00.

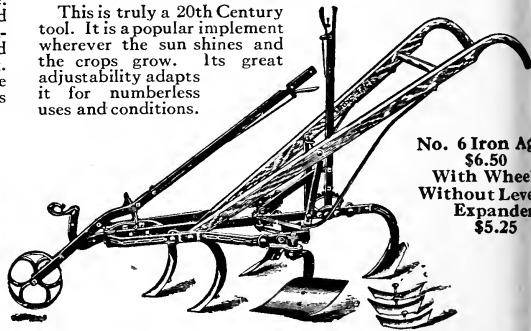


## No. 6 "Iron Age" Horse Hoe and Cultivator

Price as in cut \$6.50

With Plain Wheel and Without Lever Expander,  
Price \$5.25

This is truly a 20th Century tool. It is a popular implement wherever the sun shines and the crops grow. Its great adjustability adapts it for numberless uses and conditions.

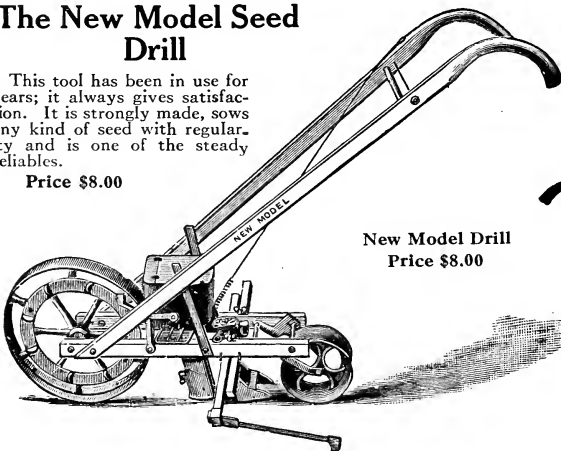


No. 6 Iron Age  
\$6.50  
With Wheel  
Without Lever  
Expander  
\$5.25

## The New Model Seed Drill

This tool has been in use for years; it always gives satisfaction. It is strongly made, sows any kind of seed with regularity and is one of the steady reliables.

Price \$8.00



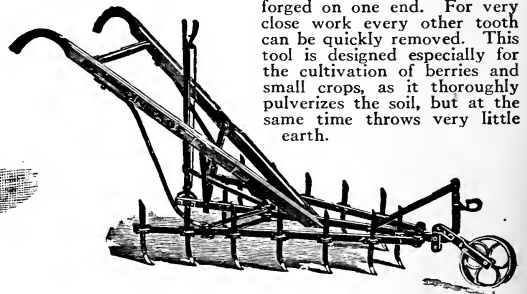
New Model Drill  
Price \$8.00

## No. 1 "Iron Age" Combined Harrow and Cultivator

Price as in cut \$5.25

Price, Plain Harrow (Without Lever or Wheel) \$4.00

Its teeth are diamond shape, with a small cultivator tooth forged on one end. For very close work every other tooth can be quickly removed. This tool is designed especially for the cultivation of berries and small crops, as it thoroughly pulverizes the soil, but at the same time throws very little earth.

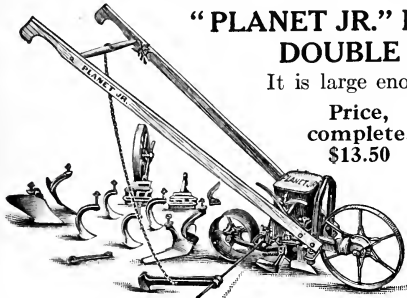


# "PLANET JR." FARM AND GARDEN TOOLS

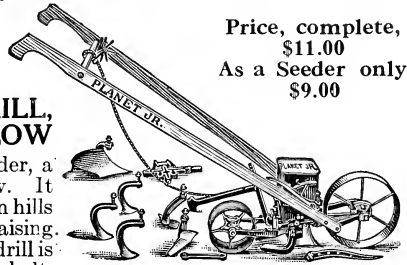
## "PLANET JR." NO. 25 COMBINED HILL AND DRILL SEEDER, DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

It is large enough for field use, for it holds  $2\frac{1}{2}$  quarts. As a drill it is almost identical with the No. 4 Drill; will sow in drills or hills, 4, 6, 8, 12 or 24 inches apart and has the same automatic device for throwing out of gear and the new combined cut-off and seed index with thumb screw adjustment. Accurate in sowing all kinds of garden seed in either hills or drills. As a Wheel Hoe it is identical with the No. 12 Double Wheel Hoe. The change from drill to wheel hoe takes but a moment.

Price,  
complete,  
\$13.50



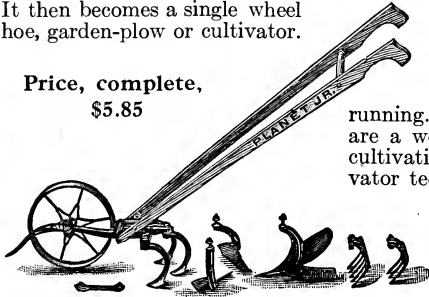
Price, complete,  
\$11.00  
As a Seeder only  
\$9.00



## "PLANET JR." NO. 4 COMBINED SEED DRILL, SINGLE WHEEL HOE, CULTIVATOR AND PLOW

Combines in a single convenient implement a hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and as a seeder sows in continuous rows or drops in hills at five different distances. It is thrown out of gear by simply raising the handles. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden-plow or cultivator.

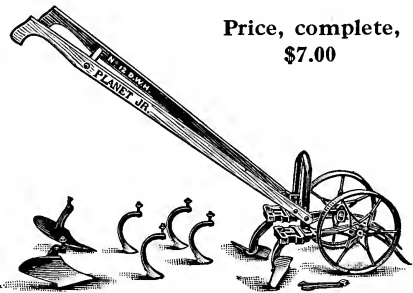
Price, complete,  
\$5.85



## "PLANET JR." NO. 16 SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW

This single wheel hoe has a very full set of tools. It has 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame. The tools are a well-shaped plow for marking out, plowing, covering, and late cultivation; a pair of 6-inch shield hoes and three all steel patent cultivator teeth; also a set of two rakes. A practical leaf-guard holds up the plants, while thorough work is being done underneath; the frame changes in height, and the wheel may be attached to the other side of the frame, when both sides of the row may be hoed at one passage.

Price, complete,  
\$7.00



## "PLANET JR." NO. 12 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

Changes and adjustments of the tools are made with the greatest quickness. It has 11-inch wheels, which can be set at four different distances apart; the frame is malleable, with ample room for tool adjustment and can be set three different heights. The handles are adjustable, and, being attached to the arch, are undisturbed in making changes of adjustment in frame, wheels or tools. The quick change frame permits the tools to be changed without removing the nuts. All the blades are of tempered and polished steel.

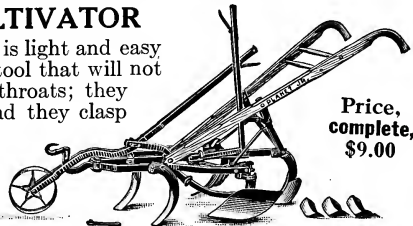
Price, complete, \$9.00  
Less pulv. \$7.40  
Less pulv. and wh.  
\$6.70



## "PLANET JR." 12-TOOTH HARROW, CULTIVATOR AND PULVERIZER

A high frame and chisel-shape teeth. The Foot Lever Pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth while in motion; it contracts to 12 inches and expands to 32 inches. It cultivates deep without throwing earth upon the plants, and the smooth, round-throated teeth turn strawberry runners without injuring them.

Price,  
complete,  
\$9.00



## "PLANET JR." NO. 8 HORSE HOE AND CULTIVATOR

It is so strongly built to as withstand incredible strain, yet it is light and easy to handle. The frame is extra long and extra high, making a tool that will not clog easily. The Stiff Steel Standards are hollow with round throats; they polish quickly and free themselves readily from obstructions, and they clasp the frame and strengthen it. The depth is under perfect control by a new lever wheel and patent depth regulator, moved instantly in unison by a single lever, making exact work, steadying the machine and relieving the operator. Without Depth Regulator, order as No. 7. Price, \$8.50.



## SOUTH BEND CHILLED PLOWS

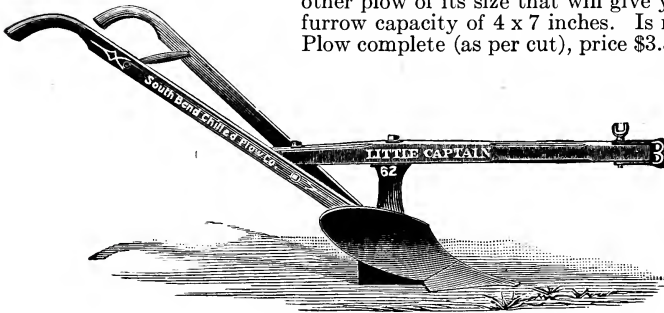
### Why You Should Buy the Original and Genuine South Bend Plow

They are standard throughout the world. They are used in every country where civilization and progress rule the agricultural community. The chilled metal of which all wearing parts are constructed is superior to any metal heretofore produced by any Plow manufacturer. By their process they entirely transform the structure of the iron, making it in texture as close grained as the finest steel, upsetting the grain, throwing it endwise through the moldboard, landside or share, making the wear come as it would across the end of a plank instead of lengthwise of the grain.

The chill or transformation reaches approximately two-thirds the way through the board gradually merging itself with the tough iron on the back, giving the whole strength and resistance to strains and sudden excessive jars. The chilled metal has a highly polished surface, which can only be improved by the land polish. The moldboards are warranted not to contain any soft spots and will not corrode. These plows are perfectly balanced and are easily controlled by the operator.

### "LITTLE CAPTAIN" PLOW NO. 62

No. 62 is one of the finest plows of its capacity on the market today. The moldboard, landside and share are removable, being separate from the standard. It is constructed much like all the South Bend Chilled Plows. This plow is sold at a very reasonable price and we are sure you cannot buy any other plow of its size that will give you the satisfaction that this will. Has a furrow capacity of 4 x 7 inches. Is made in right hand and wood beam only. Plow complete (as per cut), price \$3.50.



### NO. 1-B, ONE-HORSE PLOW

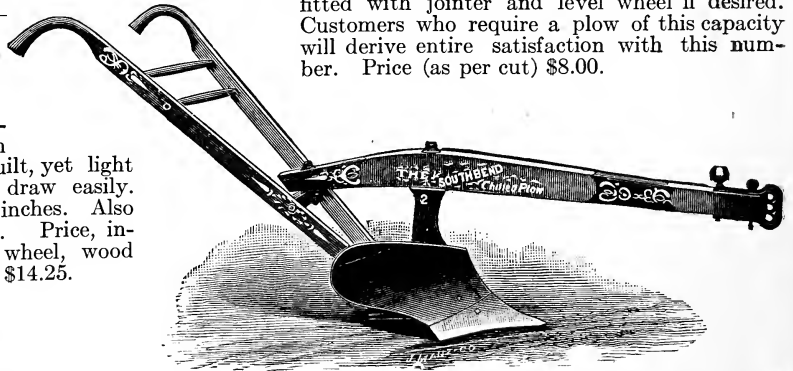
This is larger than the No. 62 and is one of the most desirable one-horse plows on the market. For garden work it cannot be surpassed. Has a furrow capacity of 5½ x 9 inches. Price, including clevis, wrench and extra share, \$5.50.

### NO. 2 SOUTH BEND PLOW

This plow is designed for one heavy horse or two light horses. This plow is in big demand all over the country, being used in nurseries, gardens, etc. Has a furrow capacity of 6 x 10 inches. Can be fitted with jointer and level wheel if desired. Customers who require a plow of this capacity will derive entire satisfaction with this number. Price (as per cut) \$8.00.

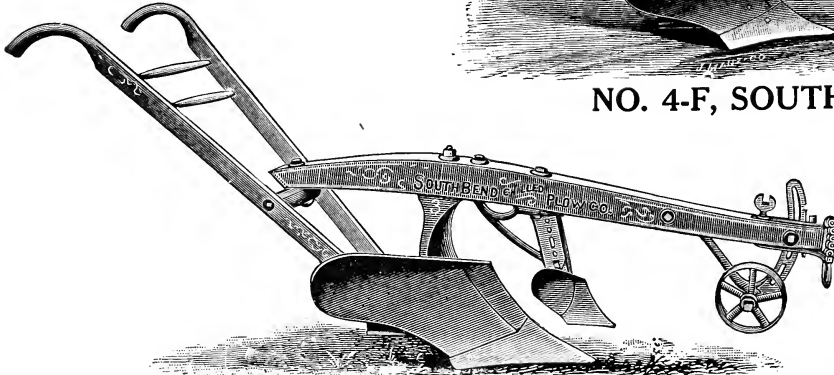
### NO. 3-F, SOUTH BEND PLOW

This is one of the most desirable two-horse plows on the market. Strongly built, yet light enough for two horses to draw easily. Furrow capacity 6½ x 12 inches. Also furnished with steel beam. Price, including jointer and gauge wheel, wood beam, \$13.50; steel beam, \$14.25.



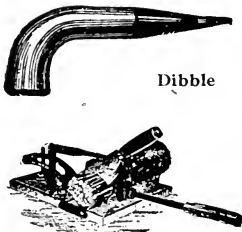
### NO. 4-F, SOUTH BEND PLOW

This is similar to the No. 3-F but somewhat heavier. This will fill the requirements for a heavy two-horse plow or a light three-horse plow. Furrow capacity 7 x 13 inches. Price, including jointer and gauge wheel, wood beam, \$13.50; steel beam, \$14.75.



# TOOLS AND IMPLEMENTS

## For the Lawn, Garden, Farm, Etc.



Asparagus Buncher



Hose Nozzle

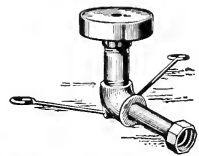


Fruit Picker

Hotbed Mats



Asparagus Knife



Lawn Sprinkler

**ASPARAGUS BUNCHERS.** Each  
Standard Pattern. Self-locking catch,  
easily released.....\$2.25

**ASPARAGUS KNIVES.**  
French Pattern. Notched cutting edge.... .35  
American Pattern. Straight cutting edge.... .35

**CORN HOOKS.**  
Plain Edge..... .25  
Serrated Edge..... .35

**CORN KNIVES.**  
Eureka. Strong and durable..... .50

**DIBBLES.**  
Wood Handle. Brass point..... .75  
Wood Handle. Iron point..... .40

**FORKS.**  
Long Handle. Light weight, 4 tine manure .75  
Long Handle. 2 tine, grain..... .75  
Long Handle. 3 tine, hay..... .85  
Short Handle, D. Heavy weight, 4 tine,  
manure..... 1.10  
Short Handle, D. Heavy weight, 5 tine,  
manure..... 1.35  
Short Handle, D. Heavy weight, 4 tine,  
spading..... 1.10  
Short Handle, D. Heavy weight, 5 tine,  
spading..... 1.35

**FRUIT PICKERS.**  
Wire. Galvanized..... .35

**GARDEN LINES.**  
Extra Strong. Braided, coils of 50 feet.... .50

**GARDEN LINE REELS.**  
Large Size. Extra strong..... .85  
Columbia. New..... 1.00

**GLAZING POINTS.**  
Van Reyper's Perfection No. 2, Per 1000 .65

**GRASS HOOKS.**  
American Style. Blades can be taken off  
for grinding..... .25  
English. Riveted back..... .35  
"Little Giant." Blade tempered steel... 50

**Hose, RUBBER.**  
Planter's High Grade. 5 ply, 50 ft. lengths,  
coupled at both ends..... 7.50  
Yankee. One of the best brand of hose  
on the market. Quality of the finest. Will  
last indefinitely. Sold by the foot, 20c.  
per foot, couplings extra.

**HOSE CLAMPS.**  
Galvanized. Adjustable.....Doz. 50c. .05

**HOSE COUPLINGS.**  
Brass. For 3/4-in. hose.....Doz. \$1.50 .15

**HOSE MENDERS.** Each  
Cooper's Patent. 3/4 in.....Doz. \$1.00\$0.10  
Cooper's Patent. 1 in.....Doz. \$1.50 .15

**HOSE NOZZLES.**  
"The Gem." Graduating, spray, or solid  
stream..... .50  
Solid Stream. With stop cock..... .50

**HOSE WASHERS.**  
Rubber. 3/4 in.....Per box of 12 .10

**HOSE REELS.**  
All Iron..... 2.75

**HOES, DRAW, or FIELD.**  
Standard Pattern. 4 in. 40c., 5 in. 40c.,  
6 in. 50c., 7 in. 50c.; 8 in..... .50  
Warren Heart Shaped. 6 in. 65c.; 7 in... .75  
Culto Hoe. 2 prong 50c.; 3 prong..... .65  
Celery. Triangle shaped, short handle.... .30  
English Push, or Scuffle. 4 in. 40c., 5 in.  
50c., 6 in. 60c., 7 in. 70c., 8 in. 80c., 9 in.  
90c., 10 in. \$1.00, 12 in. \$1.20. Not handled.  
Handles to fit same, 6 ft. long..... .30

**HOTBED MATS.**  
Size 76 x 76 inches. Burlap on both sides. Doz.  
\$15.00, each \$1.50.

**LABELS, WOOD, Unpainted.**  
Pot. 4 in., per 1000, 60c., 5 in. 80c., 6 in. \$1.00;  
any of these sizes per 100 10c.  
Garden. 8 in., per 100, 40c.; 10 in., per 100,  
60c.; 12 in., per 100, 75c.  
Tree. Copper wired, per 100 20c., per 1000  
\$1.50.

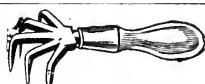
**LAWN EDGER.**  
Planet, Jr. One of the finest tools originated for  
trimming lawn edges. Very handy. Each  
\$6.25.

**LAWN ROLLERS.**  
Keystone. One of the best rollers made. Each  
We carry the following sizes in stock:  
No. 301, weight 150 lbs.....\$7.60  
No. 304, weight 250 lbs.....12.40  
No. 307, weight 300 lbs.....14.80  
Dunham. Water or sand ballast. Can be  
made any desired weight up to 750 lbs. 13.60  
No. 407, weight 300 lbs., ball-bearing... 14.75

**LAWN SPRINKLERS.**  
"Shower" Sprayers. The best lawn  
sprayer on the market. No. 3..... 2.00  
Water Witch. On base..... 1.00  
Three-Armed. 12 in. high..... 1.25

**MOLE TRAPS.**  
Reddicks. The best trap on the market.  
Easily set, sure catch..... 1.00





Excelsior Weeder



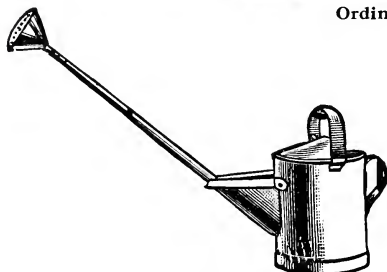
Ordinary Trowel



Corn Hook



Plant Tub



Watering Pot



Pruning Shears



Hedge Shears



Lawn Shears

## TOOLS AND IMPLEMENTS—Continued

**PICKS.** Each  
Railroad style, plain, 75c., handled.....\$1.00

**POTATO HOOKS.**  
Long Handle. 4 prong, flat tine..... .50

**PLANT STAKES.**  
Hard Wood. Painted green, tops white.  
Each Doz. Each Doz.  
2 ft....\$0.05 \$0.50 3 ft....\$0.07 \$0.75  
4 ft.... .08 .90 5 ft.... .10 1.10  
6 ft.... .12 1.30

**PLANT SUPPORTS.**  
Igoe Bros. Wire. Per doz. \$1.50.

**PRUNERS.**  
Water's Patent Tree. 6 ft. 60c., 8 ft. 80c.,  
10 ft. \$1.00, 12 ft. .... 1.20

**RAFFIA.**  
Natural Colored. For tying. Per lb. 20c.,  
per 100 lbs. \$15.00.

**RAKES.**  
Steel Garden. 12 teeth 50c., 14 teeth 55c.,  
16 teeth 65c., 18 teeth..... .75  
Wire, Lawn. 20 teeth..... .50  
Wood, Auto or Self Cleaning..... .75  
Wood, Hay. 10 teeth..... .35  
Wood, Garden. 12 teeth..... .40  
Wood, Lawn. 24 teeth..... .50

**RUBBER PLANT SPRINKLERS.**  
Straight Neck. 8 oz..... .90  
Curved Neck. 10 oz..... 1.00

**SAWS, PRUNING.**  
Double Edge. 20-in. blade..... 1.00  
Single Edge. 20-in. blade..... .75  
Single Edge. Bow shaped..... .75  
Little Giant. With pruner, plain..... 1.75

**SCYTHES.**  
American Style. Tempered steel..... 1.00  
English Style. Riveted back..... 1.25  
Bush, Little Giant..... .75

**SCYTHE STONES.**  
Talacre..... .15  
Pressed Emery..... .10

**SCYTHE SNATHS.**  
Patent Key Arrangement..... .75

**SHEARS.**  
Border. Without wheel, 8 in. \$2.00, 9 in.  
\$2.35, 10 in. .... 2.75  
Border. With wheel, 8 in. \$2.35, 9 in.  
\$2.75, 10 in. .... 3.00  
Hedge. 8 in. \$1.15, 9 in. \$1.40, 10 in. .... 1.65  
Lawn. Without wheel, 8 in. \$2.00, 10 in. .... 2.50  
Lawn. With wheel, 8 in. \$2.50, 10 in. .... 3.00

**SHEARS—Continued**  
Lopping. Rhodes patent.....\$3.50  
Lopping. Ordinary..... .60  
Pruning. Solid steel throughout..... 1.25  
Sheep or Grass. Best, solid steel, polished. .75  
Sheep or Grass. Ordinary..... .50

**SHOVELS.**  
Long Handle. Steel pointed..... .75  
Short Handle D. Steel pointed..... .75  
Short Handle D. Steel square.....  
75c., \$1.00 and 1.10

**SOD, OR TURF EDGERS.**  
Gladiator..... .85  
Half Moon..... .50

**SPADES.**  
Long Handle. Steel..... .75  
Short Handle D. Steel..... 75c. and 1.00  
Short Handle D. Steel socket..... 1.35

**THERMOMETERS.**  
Hot Bed..... 1.75

**TUBS.** Wood Plant, New York Style.  
Top Bottom Depth  
Diameter Diameter Finished Each  
No. 1 12 in. 9¾ in. 10⅝ in. ....\$1.15  
No. 2 13 in. 10¾ in. 12¾ in. .... 1.50  
No. 3 14½ in. 14¾ in. 14¾ in. .... 1.85  
No. 3½ 16½ in. 15¾ in. 15¾ in. .... 2.45  
No. 4 19 7-16 16⅝ in. 16⅝ in. .... 2.65  
No. 5 22 7-16 18½ in. 18½ in. .... 3.45

**TREE SCRAPERS.**  
Triangle Shaped. Short handle..... .50

**TROWELS.** Solid Steel.  
English Pattern. Solid shank..... .40  
English Pattern. Concave shank..... .25  
English Pattern. Concave shank..... .15  
Transplanting. Concave shank..... .15  
Transplanting. Riveted shank..... .10  
Ordinary Trowel. Concave shank..... .10

**WATERING POTS.**  
Galvanized iron, strong and durable. 8 qt.  
55c., 16 qt. .... .85

**WEEDERS.**  
Eureka. 3 prong, steel, short handle.... .25  
Eureka. 3 prong, steel, long handle..... .35  
Excelsior. 5 prong, iron, short handle.... .10  
Hazel tine. Steel blade, short handle..... .25  
Lightning. Made out of steel wire, adjust-  
able; one of the best weeders on the market.  
Long handle style..... .50  
Short handle style..... .25  
Mahler's Handy Gardener. New..... .75  
**WEED CUTTER, or Thistle Digger**..... .50

# INSECTICIDES AND FUNGICIDES

**APHINE.** This is a powerful insecticide but does not affect the most tender plants, fruits or vegetables. It is a combination of ethereal oils and nicotine in soluble form, which is easily diluted with water. It is applied as a spray or wash. It will exterminate green and black fly, thrips, slugs, mealy bug, red spider, ants, etc.  $\frac{1}{2}$  pt. 40c., pt. 65c. qt. \$1.00.

**APHIS PUNK.** This is a tobacco paper saturated with nicotine and is used for fumigating greenhouses and conservatories. Box of 12 sheets, 60c.

**ARSENATE OF LEAD.** (Paste form.) A very efficient insecticide, rapidly displacing Paris Green. Can be used with safety, as it does not harm plants with the most tender foliage. Adheres to the foliage quite some time, which eliminates spraying so frequently. 1-lb. jar 25c., 5-lb. pail \$1.00, 10 lbs. \$1.80.

**BORDEAUX MIXTURE.** (Paste form.) This is a very good preventive for blight and mildew; also blackrot, scab, and other fungoid diseases. Pt. cans 25c., qts. 40c., gal. \$1.00.

**FIR TREE OIL SOAP.** A popular insecticide for house and conservatory plants. Put up in soap form, which is easily dissolved in hot water. Apply when solution has become cool.  $\frac{1}{2}$ -lb. cake 25c., 2-lb. cake 75c.

**HELLEBORE.** This is a very popular insecticide for killing currant worms, rose slugs, etc. It is safer to use than Paris Green, especially when fruit is nearly ripened.  $\frac{1}{4}$  lb. 10c.,  $\frac{1}{2}$  lb. 15c., lb. 25c.

**KEROSENE EMULSION.** For cabbage worms, caterpillars, melon lice, scale on plants, etc. Qt. can 40c., gal. \$1.00.

**LAWN COMPOUND.** (Sterlingworth brand.) Kills weeds but not the grass. Makes lawns green and velvety. It absolutely kills dandelion, plantain, chickweed, crab grass, and all weeds with hairy surfaces or broad leaves. It is a dry sandy powder to be applied by sprinkling over the grass. It kills these weeds but improves the grass. One pound will dress 100 to 200 square feet, depending on the condition of the lawn. Full directions on each package. 5-lb. can 60c., 10 lbs. \$1.00.

**LEMON OIL COMPANY'S STANDARD INSECTICIDE.** This has become one of the most popular articles for greenhouse or conservatory spraying. Has a very agreeable odor. Kills thrips, black and green fly, mealy bug, red spider, blight, etc.  $\frac{1}{2}$  pt. 25c., pt. 40c., qt. 75c.

**LIME SULPHUR SOLUTION.** A very efficient insecticide for San Jose scale. Must be applied before the buds break in the Spring or after the foliage has dropped in the Fall. Qt. can 40c., gal. can \$1.00.

**NIKOTEEN.** A very powerful insecticide, one pint of this liquid representing the efficiency of 200 pounds of Tobacco stems. Used extensively by florists for spraying in greenhouses. Also used for vaporizing. Pt. bot. \$1.50.

**PARIS GREEN.** One of the best exterminators for potato bugs and caterpillars. Can be applied as a powder or diluted in water, which is the most economical way of using. Applied as a powder, mix 1 part of Paris Green to 100 parts of flour. In solution,  $\frac{1}{2}$  lb. to 100 or 150 parts of water. 1-lb. pkg. 40c., 5-lb. pkg. \$1.85.

**SLUG SHOT.** (Hammond's.) The most popular insecticide in this country. Very efficient on potato bugs, rose slugs, caterpillars, beetles, etc. It is non-poisonous to man or beast and safe to use. Ready for applying. Used as a dust, also can be diluted in water as a spray. Has been on the market for 30 years. 1-lb. carton 15c., 5-lb. pkg. 35c., 10 lbs. 60c., 25 lbs. \$1.25.

**SULPHUR, POWDERED.** Very effective against mildew. Lb. 10c., 10 lbs. 60c., 100 lbs. \$5.00.

**TARGET BRAND SCALE DESTROYER.** One of the best sprays for San Jose scale. It is a soluble oil which rapidly forms a solution in water and does not separate itself from the water as most other oils do. It is easily prepared and applied and does its work quickly and effectually. Endorsed and recommended by fruit growers everywhere. Qt. 35c.,  $\frac{1}{2}$  gal. 65c., gal. \$1.00, 5 gal. \$3.75.

**WEED KILLER.** (Sterlingworth brand.) Used extensively on walks, drives, tennis courts, golf links, etc. It is a dry powder to be dissolved in water. When applied to vegetation it completely destroys all kinds of weeds, grass, briars, burdock, dandelions, daisies, thistles, poison ivy and other objectionable vegetable growths. One application kills roots as well as foliage, preventing further growths. One gallon covers 3 to 4 square yards. Full directions on each package. One pound makes 10 to 15 gallons. Covers 30 to 40 square yards. Lb. 50c., 3 lbs. \$1.25, 5 lbs. \$2.00.



**FISH OIL SOAP AND TOBACCO.** (Sterlingworth brand.) This is a cheap and effective remedy for destroying San Jose scale, plant lice, and all sucking insects on plants, vines, etc. Contains all the virtues of Fish Oil Soap in addition to the valuable insecticide properties of

Tobacco and Potash, making it doubly valuable. Directions for use on each package. Lb. 15c., 5 lbs. 60c., 10 lbs. \$1.00.

**FOR TANK SPRAYERS, HAND SPRAYERS, BUCKET OR BARREL SPRAYERS, SEE PAGES 95-96-97.**



# HIGH GRADE RELIABLE FERTILIZERS

## NOLL'S PERFECTION LAWN DRESSING (Odorless)

We have been selling this lawn dressing for a number of years and have yet to receive the first complaint about it not being what we claim for it. It has given continuous satisfaction ever since and we are absolutely positive it will continue to do so. It is far ahead of horse manure, bone meal, etc. By using this lawn dressing you eliminate the possibilities of having your lawn full of weeds, the seeds of which are numerous in horse manure. It is a great deal quicker in action than Bone Meal, having supplied strength and durability to the old roots long before the hot weather sets in. For best results it should be applied during the Spring and Fall months. The Spring application will help the grass recover its strength, which our Winters impair to a certain extent, while the Fall application will give it, after the hot weather spell, renewed strength to withstand the ravages of Winter. It is without odor, clean to handle and easily applied. We furnish it in quantities and at prices as follows: 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11.25, ton (2000 lbs.) \$40.00.

Apply at rate of 100 lbs. to 4000 sq. ft., broadcast.

## NOLL'S COMPLETE GARDEN FERTILIZER

This brand is especially compounded for general use, such as garden vegetables, fruit trees, fruit vines, Potatoes, etc. For general purposes it is unsurpassed. Will help your ground yield larger and better crops. Comes in dry powder form. Easily applied. Apply at the rate of 100 lbs. to 4000 square feet, broadcast. 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11.50, ton (2000 lbs.) \$45.00.

## BONE MEAL (Pure Ground)

One of the most desirable fertilizers produced for flowering plants, shrubbery, Palms, Ferns, etc. While not so quick in action as some fertilizers it is very lasting, being very beneficial. Bone Meal contains the essential requisites of nitrogen, as well as phosphoric acid, which are absolutely necessary in the soil for the high developing of plant life. Can be used for both outdoor plants and pot plants. When applying mix thoroughly with the soil. Never let the bone meal come in contact with the roots of the plant. For pot plants use about a tablespoonful to a 6-inch pot of soil, smaller or larger sizes in proportion. Price, 5-lb. pkg. 25c., 10 lbs. 45c., 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.75, ton (2000 lbs.) \$42.00.

## NITRATE OF SODA

This is a very beneficial article for promoting quick growth; will hasten the maturity of crops from one to two weeks. This is a very good fertilizer but must be used judiciously. Do not apply until the plants are above the ground. To apply make a trench about 4 in. deep and about the same distance from the plants or row and spread along in the trench. Use about 100 lbs. to the acre. The price of this article is subject to change. Sold in 5-lb. pkgs. 35c., 10 lbs. 60c., 25 lbs. \$1.25, 100 lbs. \$4.50, 200 lbs. \$8.00, ton (2000 lbs.) \$70.00.

## SHEEP MANURE

This has become a very popular article for fertilizing purposes. Fine for house plants, also outdoor plants. Acts quickly, makes plants vigorous and blooms richer in color. Can be applied by diluting in water or mixed with soil. The article we offer is as free from inert matter as is possible. 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 90c., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11.25, ton (2000 lbs.) \$40.00.

## CANADA UNLEACHED HARDWOOD ASHES

Used as a top dressing for lawns and grass lands, also for fruits of all kinds. It is especially good for Strawberries, Peaches, Apples, etc. Can be mixed with even quantities of bone meal for fertilizing grass plots, etc. Apply about 1000 lbs. to the acre. 5 lbs. 25c., 10 lbs. 35c., 25 lbs. 60c., 50 lbs. \$1.00, 100 lbs. \$1.75, 500 lbs. \$7.50, ton (2000 lbs.) \$24.00.

## Trade **STERLINGWORTH** Mark

Concentrated Plant Food Tablets  
An odorless food for potted plants

Makes plants grow and bloom luxuriantly and drives troublesome insects from the soil. Takes the place of liquid manure. Explicit directions on each package.

10c. package contains 30 tablets

25c. package contains 100 tablets

50c. package contains 250 tablets

Any of the above sent postpaid upon receipt of price

## THE EXCELSIOR PLANT FOOD

Is the most concentrated, the quickest acting and the only complete and evenly balanced odorless fertilizer in existence. Cheap fertilizers are a poor investment as their percentage of available plant food is small and of uncertain action and are, for the most part, the by-product of the packing houses. They are imperfectly balanced, thereby causing irregular and imperfect growth. The United States Department of Agriculture advises the use of concentrated fertilizers, such as Excelsior Plant Food rather than cheap fertilizers of uncertain origin.

Excelsior Plant Food contains the three elements essential to plant life, nitrogen, phosphoric acid and potash in just the right proportion to enable each element to perform its proper function. Their uniform action seems to energize the capacity of plant or tree for developing growth, seed, fruit and flowers. Price, 1/2-lb. pkg., making 10 gals., postpaid, 30c.; 1-lb. pkg., making 20 gals., postpaid, 50c.

## STURTEVANT'S TOBACCO AND SULPHUR INSECTICIDE AND FERTILIZER

It will destroy rose bugs, lice, cutworms, vine bugs, Tomato, Currant and Cabbage worms and parasites of all descriptions. Apply when the foliage is wet. When used as a fertilizer it promotes vigorous growth, making dark green foliage. Pkg. 25c. and 50c.

## HIGH GRADE FERTILIZERS—Continued

## MAPES' MANURES

These manures are the very best on the market. They are in fine condition for use in drills or for hand application; are free from stickiness and dampness. Packed in bags weighing 100 lbs.; every bag plainly branded and has a tag attached containing guaranteed analysis and full directions for use. The basis of Mapes' Manures is bone, no rock used. We do not sell less than 100 lbs. of any brand.

MAPES' TOP DRESSER  
IMPROVED

For Parks, Lawns, Grass, Golf Links, Meadows, etc.

Especially adapted as a top dresser for lawns, etc., at any stage of growth; can be used on freshly cut lawns at the rate of 400 to 600 lbs. per acre in perfect safety. It is without odor, so can be used near dwellings without offensive smell. It is a complete fertilizer, developing strong, vigorous roots; healthy and hardy growth. Use 100 to 200 lbs. per acre. Never use top dressers on any kind of vegetation until the dew or moisture has evaporated by sun or air. Sown when vegetation is dry they can do no harm, but under moist conditions may "burn" the vegetation. 100 lbs. \$3.00, ton (2000 lbs.) \$53.00.

**Potato Manure.** For Irish and Sweet Potatoes, also for Sugar Beets, Asparagus, Early Vegetables, Tomatoes, Fruits, Sorghum, Sweet Corn, etc. 100 lbs. \$2.35, ton (2000 lbs.) \$42.00.

**Fruit and Vine Manure.** The best for all vines and small fruits. For insuring fruiting power, particularly in quality of fruit in vineyards, Pears, Apples, Plums, Strawberries, is slow in effects. 100 lbs. \$2.45, ton (2000 lbs.) \$43.00.

**Vegetable Manure, or Complete Manure.** (For light soils.) This is a special manure on all kinds of soil for truck, early vegetables, Onions, Celery, Tomatoes, also on light soils for Oats, Hops and Barley. 100 lbs. \$2.60, ton (2000 lbs.) \$45.00.

**Complete Manure.** (For heavy soils.) A desirable manure for general use in heavy soils. Good for all kinds of vegetables, fruits and grains. Fine for early Turnips. May be used for Oats, Hops, Barley, also as a top dressing for grass, and as a forcing manure for all vegetables and fruits at all times. 100 lbs. \$2.45, ton (2000 lbs.) \$43.00.

**Complete Manure.** (For average soils.) A substitute for stable manure. For Onions, Tomatoes, vegetables of all kinds, Irish and Sweet Potatoes, fruits and Cranberries. Special for Tobacco on heavy soils. 100 lbs. \$2.25, ton (2000 lbs.) \$39.00.

**Complete Manure for General Use.** For use on all crops and all soils with or without stable manure. Use broad-cast; if in hills, use sparingly. Special for Oats, Hungarian Grass, Vegetables, Melons, Tomatoes and seeding with or without grain. 100 lbs. \$2.30, ton (2000 lbs.) \$40.00.

**Corn Manure.** The best for Sweet and Field Corn, Grass, Turnips, Cabbage, etc. 100 lbs. \$2.20, ton (2000 lbs.) \$38.00.

**Cauliflower and Cabbage Manure.** The best for these vegetables. 100 lbs. \$2.35, ton (2000 lbs.) \$41.00.

## LISTER'S FERTILIZERS

These well known brands need little description as they are favorably known all over the country. The following list of brands are among the best of their kind. Made from high class materials only. Sold in bags 200 lbs. each. Can be supplied in 100 lb. sacks at a small additional cost. Analysis on every sack.

**Lister's Vegetable Compound.** For vegetables of all kinds. A reliable fertilizer for truck gardeners who make a specialty of garden vegetables. Sack of 200 lbs. \$5.00, ton \$42.00.

**Lister's Potato Manure.** A high class fertilizer for potato culture. By the use of this brand your crops will be increased considerably. Sack 200 lbs. \$5.00, ton \$42.00.

**Lister's Corn Manure.** This brand is exceptional. Will make your ground produce "bumper" crops. A trial of this brand will convince the most skeptical farmer. Sack 200 lbs. \$5.00, ton \$42.00.

**Lister's Special Corn Fertilizer.** This brand is less expensive than the Corn Manure. However, it is first-class in every respect. A very good product for the money. Sack 200 lbs. \$4.00, ton \$31.00.

**Lister's Cabbage and Cauliflower Manure.** This brand will supply those essentials which greatly benefit the production of Cabbage and Cauliflower crops. We can recommend this as an exceptional fertilizer for this purpose. Sack 200 lbs. \$5.00, ton \$42.00.

**Lister's Fruit and Vine Manure.** A high class fertilizer for invigorating fruit trees and vineyard culture. Will help to increase the yield, as well as the quality. Sack of 200 lbs. \$4.50, ton \$34.00.

**Lister's Celebrated Ground Bone.** One of the finest fertilizers for Rose culture. Used largely by florists, nurserymen, etc. Also valuable for lawns. Sack of 200 lbs. \$4.00, ton \$33.00.

**Lister's Lawn Fertilizer.** This brand is especially compounded for lawns which are run down. Will invigorate and tone them up in short order. Will develop strong vigorous roots. Sack of 200 lbs. \$4.50, ton \$35.00.

**Lister's 7 Per Cent. Guano Fertilizer.** A high class fertilizer for truck gardeners. Customers who have used this brand claim almost magical results from the use of it. For general vegetable growing. High class in every respect. Sack of 200 lbs. \$5.50, ton \$47.00.

**Lister's "Special" for Tomatoes.** By the use of this brand your crops will be larger and better in every respect. Appearance of fruit will be enhanced, vines more vigorous and heavier cropping. Sack 200 lbs. \$4.00, ton \$30.00.

**Lister's "Standard" Fertilizer.** For general purposes this is one of the best fertilizers on the market and it is well recommended by farmers and truck gardeners all over the country. Sack of 200 lbs. \$4.00, ton \$35.00.



# POULTRY SUPPLIES AND REQUISITES

We handle only the highest grades of poultry supplies and sell at as low prices as is consistent with quality. In our line of mixed grains, we have exercised great care to handle only the best of its kind, free from mill refuse and siftings. We are glad at all times to submit samples and prices on small or large amounts of our mixed grains. As the market changes on grain are so very frequent, we do not affix prices on 25 lb. lots and over, but will be glad to quote upon application. Prices quoted on all poultry supplies are for goods by express or freight, charges collect, and at purchaser's risk, unless otherwise quoted.

## "GLOBE" SCRATCH FOOD

We consider this one of the finest grain mixtures on the market. Compounded from good, sweet and clean grain only; a perfectly balanced ration, suitable for feeding the year round. To poultry raisers who find it pays to feed the best only, we can recommend it highly, as it will produce better laying and healthier fowls. 5 lbs. 20c., 10 lbs. 35c. Price on larger quantities quoted upon application.



## "CRESCENT" CHICK FOOD

A complete grain feed for chicks, which can be fed until about 8 weeks old. Thoroughly balanced, good, sweet, and clean grain. 5 lbs. 20c., 10 lbs. 35c.

## "KING" PIGEON FOOD

A mixed grain ration, especially adapted for squab fattening. This mixture has given much satisfaction among pigeon fanciers, who recommend it highly. 5 lbs. 25c., 10 lbs. 40c.



## "COLONIAL" DEVELOPING FOOD

A mixture of grain a trifle larger than the Crescent Chick Food, to be fed to growing chicks after 8 weeks old. Contains such ingredients as are easily digested and flesh producing. A fine mixture in every particular. 5 lbs. 20c., 10 lbs. 35c.



## "QUEEN" POULTRY MASH

A selected ground feed for fowls of all sizes, especially laying hens. Contains choice ground grains, well balanced. Will help a great deal to produce those eggs you so badly want. 5 lbs. 20c., 10 lbs. 30c.



## ALFALFA (Mealed)

One of the best substitutes for green food during the Winter. Highly nutritious. 5 lbs. 25c., 10 lbs. 40c.

## BEEF SCRAPS

If fed judiciously, increases egg production. The best substitute for green bone. Can be fed during the Summer months as well as the Winter months. 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 80c., 50 lbs. \$1.55, 100 lbs. \$3.00.

## BONE (Coarse)

Increases egg production besides making flesh; also can be used as grit. 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 75c., 50 lbs. \$1.30, 100 lbs. \$2.50.

## BONE (Fine)

Used in connection with mash food. Makes flesh and bone in young chicks, also helps to increase egg production in large fowls. 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 75c., 50 lbs. \$1.30, 100 lbs. \$2.50.

## CHARCOAL

Coarse or fine. Very beneficial to poultry. Should be in the hopper at all times. Lb. 10c., 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 75c., 100 lbs. \$2.50.

## GRIT

We carry grit in four sizes, Nos. 1, 2, 3 and 4. No. 1 for turkeys and ducks. No. 2 for chickens. No. 3 for pigeons. No. 4 for small chicks. 5 lbs. 10c., 10 lbs. 15c., 25 lbs. 25c., 50 lbs. 40c., 100 lbs. 75c.

## OYSTER SHELL

Our oyster shells are noted for their uniformity and cleanliness. No clam shells in this brand. Strictly oyster shells. 5 lbs. 10c., 10 lbs. 15c., 25 lbs. 25c., 50 lbs. 40c., 100 lbs. 75c.

## POULTRY SUPPLIES AND REQUISITES—Continued

## RUST'S HAVENS CLIMAX POWDER



**CURES SICK FOWLS  
AND  
KEEPS THEM HEALTHY**

A valuable poultry tonic. Will cure gapes, fowl-cholera, etc. 13-oz. pkg. 25c., 32-oz. pkg. 50c.

### RUST'S ROUP POWDER

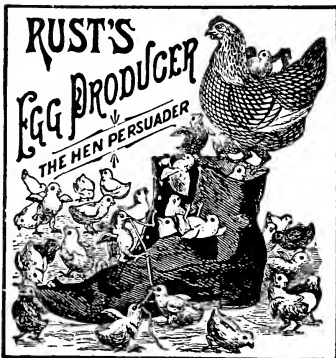
To be used in their drinking water. Also cures canker, sores, etc. Large pkg. 25c., postpaid.

### RUST'S ROUP PILLS

A very good remedy in case of roup. Lots of customers claim them to be superior to the powder. Box of 50 pills 25c., 112 pills 50c., postpaid.

### RUST'S LICE-KILLING POWDER

For dusting fowls and nests. 5-oz. box 10c., 16-oz. box 25c.



### RUST'S EGG PRODUCER

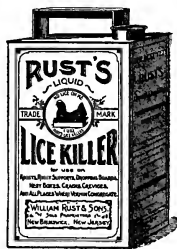
Fowls that have stopped laying invariably start laying when this egg-producer is used judiciously. 16-oz. pkg. 25c., 2½ lbs. 50c., 5 lbs. \$1.00.

### RUST'S LIQUID LICE-KILLER

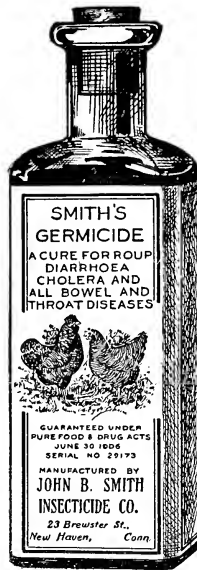
For spraying the roosts. Qt. 35c., ½ gal. 60c., gal. \$1.00.

### MEDICATED NEST EGGS

A very popular article. Expels lice from the nest and in addition proves a good coaxer to hens seeking to lay their eggs. Each 5c., doz. 50c.



**FOR INCUBATORS AND  
BROODERS, SEE PAGE 112**



### SMITH'S GERMICIDE

A very efficient article for throat and bowel troubles in poultry. A guaranteed germ killer. A cure for Roup, Diarrhoea, Cholera, etc. Roup and Bowel complaints every year carry away millions of fowls that might be saved if properly treated. Smith's Germicide will save them and make your poultry business spell Big Profits in large letters. Bot. 25c. and 50c.

### SMITH'S ROUP CURE

The maker claims this to be an exceptional roup preparation. Powder form; used in the drinking water, consequently the fowl takes its own medicine. Pkg. 25c., by mail 30c.

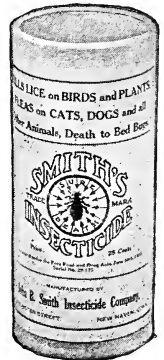
### SMITH'S INSECTICIDE

This is a powder guaranteed to "kill" lice on poultry. Will not injure fowls or interfere with plumage. Is safe to use on young chicks. Pkg. 10c. and 25c.

### SMITH'S HEAD LICE OINTMENT

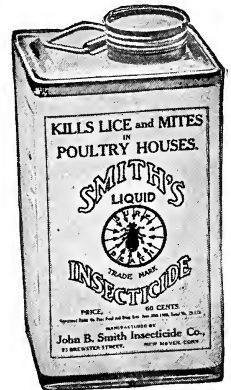


For head lice on chicks and scaly legs on fowls. Two sizes, 15c. and 25c.



### SMITH'S LIQUID INSECTICIDE

A very desirable vermin destroyer. To be sprayed on the roosts, etc., of poultry houses. Will keep them clear of lice, and make the houses sanitary. Qt. can 35c., 2 qts. 60c.



On page 106 you will find a list of Poultry Grain Mixtures. Write for prices on the best Grain Mixtures sold.

**Send for free circular describing  
Norwich Automatic Feeder. See page 110**



## POULTRY SUPPLIES AND REQUISITES—Continued

**CONKEY'S  
GAPE REMEDY**

A positive cure for this annoying disease. It is guaranteed to do the work and to satisfy you. 50c., or 60c. postpaid.

**CONKEY'S  
LICE LIQUID**

Where this is used lice do not hang around. Guaranteed to do the work according to directions. Qt. 35c., 1/2 gal. 60c., gal. \$1.00.

**CONKEY'S  
POULTRY TONIC**

A valuable tonic for run-down fowl, off feed, recovering from disease, or during moulting season. A general invigorator. 25c. or 30c. postpaid.

**CONKEY'S  
CHOLERA REMEDY**

A very valuable remedy in cases of cholera or other bowel complaints. Easily administered, as the fowl takes its own medicine. Put in the drinking water. 25c. and 50c. postpaid.

**CONKEY'S  
ROUP REMEDY**

Probably better known than any other like preparation on the market. A grand preventive of roup, colds, etc. 25c. and 50c. postpaid.

**CONKEY'S  
BRONCHITIS REMEDY**

A guaranteed specific for this dangerous ailment. 50c. postpaid.

**CONKEY'S  
CHICKEN POX REMEDY**

A reliable remedy for this disgusting and dangerous disease. Used according to directions, it invariably effects a cure. 50c., or 55c. postpaid.

**CONKEY'S WHITE  
DIARRHOEA REMEDY**

One of the greatest chick life savers ever put before the public. This disease carries off from 60 to 75 per cent. of the little chicks hatched every year. To insure against this terrible disease, get a package today. 50c. postpaid.

**CONKEY'S LAYING TONIC**

Compounded from vegetable extracts, herbs, roots, etc., so proportioned as to act gently on the egg-producing organs. This is not a false stimulant, but a corrective which can be relied upon; should never be fed alone, but according to directions, which are on every package. 1 1/2-lb. pkg. 25c., 3 1/4-lb. pkg. 50c.

**CONKEY'S  
LIMBERNECK REMEDY**

Limberneck is a very dangerous disease in poultry, and very often quickly terminates in death. It is very easy to control this disease when Conkey's Limberneck is handy. Get a box today and be prepared for it. 50c., or 55c. postpaid.

**CONKEY'S  
LICE POWDER**

One of the best lice killing powders on the market. 15-oz. pkg. 25c., or 40c. postpaid. 48-oz. pkg. 50c., not postpaid.

**CONKEY'S  
SCALY LEG REMEDY**

A very valuable remedy for scaly leg. A combination wash and ointment. Guaranteed to cure. 50c., or 55c. postpaid.

**ROUPENE**

The most wonderful Roup cure ever discovered. It will positively cure the most dreaded form of Roup, namely, Diphtheretic Roup. Roupene will be found an infallible preventive and a sure cure for other forms of Roup, Canker, Chicken Pox, Sore Head, Gapes and other diseases of the respiratory organs in fowls of all breeds. You do not have to isolate the sick fowls from the rest of the flock, as after the sick fowls have been treated, it destroys all danger of contagion. This will save a lot of annoyance and trouble to every poultry breeder. By the use of Roupene it will save your little chicks from that dreaded disease, White Diarrhoea. Full directions on each and every bottle of Roupene. Roupene is guaranteed to do all that is claimed for it and if it does not satisfy, the purchase price of same will be refunded. Since placing Roupene on the market we have not heard from one dissatisfied customer, hearing nothing but praise for this wonderful poultry remedy. 50c., or 60c. postpaid.



## POULTRY SUPPLIES AND REQUISITES—Continued

**PRATT'S POULTRY REGULATOR**

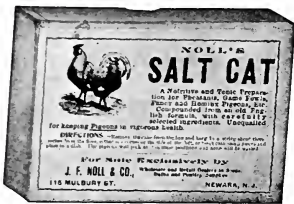
This regulator is known in almost every country on earth and needs little description. Pkgs. 10c., 25c., 50c. and \$1.25.

**Pratt's Roup Cure.** An efficient article for roup. Also good as a preventive. Box 25c.

**Pratt's Baby Chick Food.** A scientific ration for the successful raising of little chicks. 1-lb. pkg. 10c.

**HOMESTEAD POULTRY SPICE**

Compounded from purely vegetable and medicinal ingredients. A very valuable article for keeping chickens, ducks, turkeys and geese in a good, healthy condition. Pkg. 25c.

**SALT CAT**

A tonic preparation for pigeons. Promotes health and egg production in game fowls. Per brick 10c., postpaid 30c.

**STURTEVANT'S POULTRY PREPARATIONS**

**Poultry Tonic.** Keeps your chickens in a healthy condition and makes them thrive. Composed of Nature's products. Per pkg. 25c. and 50c.

**Imperial Egg Food.** Promotes growth in young chicks and invigorates large fowls so as to have them in the best state for egg production. Per pkg. 25c. and 50c.

**Roup Powder.** A speedy and reliable remedy for roup, colds, canker, etc. Box 25c.

**Chicken Cholera Remedy.** An efficient remedy for this dreaded disease. Box 50c.

**LEE CO'S POULTRY PREPARATIONS**

**Egg Maker.** Makes large fowls lay eggs without exciting the egg organs and helps young chicks to grow. Per pkg. 25c. and 50c.

**Germozone.** A reliable article for roup, colds, canker, bowel trouble, etc. Very well known and extensively used. Liquid, per bottle 50c. Tablets, per box 50c.

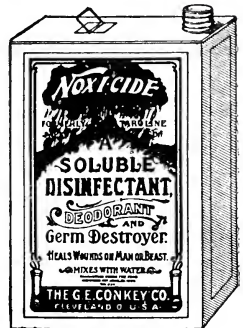
**Lice Killer (Liquid).** Used for spraying roosts and inside of houses to eradicate vermin. Quart cans, each 35c.

**Insect Destroyer.** Used for dusting fowls' nests, etc., to destroy lice and other vermin that infest poultry houses. Per box 25c.

**White Diarrhoea Remedy.** Very efficient in the treatment of this disease. Liquid, per bottle 50c.

**VARIOUS DISINFECTANTS****CONKEY'S NOXICIDE**

A soluble disinfectant, deodorant and germ destroyer. Very good. Pt. 35c., qt. 60c.

**RUSOLINE**

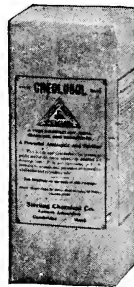
A high grade disinfectant, deodorizer and germ expeller. To be used in water according to directions, which are on each bottle. Pt. 35c.

**HYGENO-A**

A disinfectant that can be used for general purposes. Very powerful. A good antiseptic. Pt. 35c., qt. 50c., 1/2 gal. 95c., gal. \$1.75.

**CREOLUSOL**

A very powerful antiseptic and purifier. A very good disinfectant for private or public sanitation. For poultry houses, runs, stables, kennels, etc. Invaluable for washing out Incubator Cellars, Incubators, Brooders, Drinking Utensils, etc. Qt. bot. 50c.

**SULPHUR FUMIGATING CANDLES**

Easy to light; safe to use; sure in effect. Put up in seamless tin boxes. If placed in saucer of water, the steam arising from the water, uniting with the fumes, makes the vapor more deadly than ordinary sulphur fumes. Each 15c., by mail 20c.

**Poultry Keepers** generally have a garden and use seed, both vegetable and flower seed. When sending us your orders for poultry supplies do not forget to send us an order for your seed requirements. You will find it will pay you to do so. Just glance through our vegetable or flower seed list in the preceding pages and see if you can find something you want to order.

See pages 96 and 97 for Sprayers.  
You need them if you have poultry.



## FEEDERS, FOUNTAINS, ETC.

### DRY FOOD HOPPERS

Two compartments, one for grain, the other for beef scraps, etc. Each 75c., per doz. \$7.50.

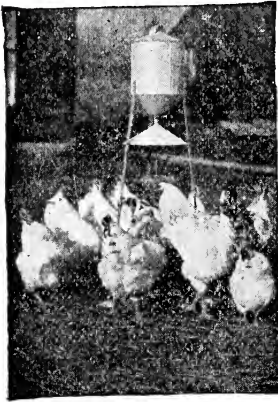
### GRIT AND SHELL HOPPERS

Three compartments, for grit, shell and charcoal. Each 50c., per doz. \$5.00.

### "HUB" FEEDERS

One of the best feeders for little chicks. Impossible for chicks to scratch in the grain. Small size 35c., large size 50c.

### NORWICH AUTOMATIC FEEDER



The most economical feeding device on the market. Absolutely rat, bird and weather proof. Also a very good exerciser which is essential to fowl health. Saves a lot of money, time and labor. Made in four sizes. No. 1, capacity 8 qts., \$2.50; No. 2, capacity 14 qts., \$3.25; No. 3, capacity 20 qts., \$4.10; No. 4, capacity 32 qts., \$5.00. Free circular for the asking.

### PEERLESS POULTRY FOUNTAINS

One of the most popular fountains on the market. Easily cleaned, very sanitary. Can be hung on the wall or stood on the floor. Galvanized iron, 1 gal. size, each 65c., per doz. \$7.00; 2 gal. size, each 90c.

### PEERLESS BROODER FOUNTAIN

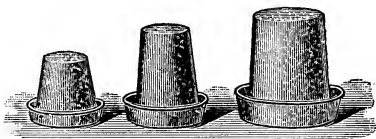
Capacity one quart. Little chicks will not drown in this fountain. Ring attached for hanging upon the brooder wall. Each 35c., per doz. \$3.75.

### GALVANIZED WALL FOUNTAINS

In great demand. Front and sides are round with flat back. Drinking cup protected by hood. Gal. size 50c., 2 gal. 75c.

### "SANITARY" STONE FOUNTAINS

Made out of clay. Very sanitary. Most popular for Summer use. Qt. size, 25c., 2 qt. 40c., 4 qt. 50c., 8 qt. 75c.



### GALVANIZED IRON FOUNTAINS

Cone-shaped, tops with saucers. Very convenient. Made of galvanized iron. Small size 18c., medium 25c., large 35c.

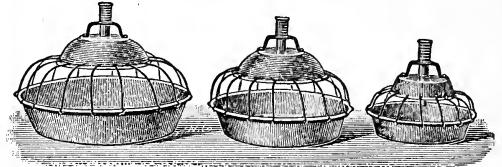
### WIRE HENS' NESTS

Made from 2-in. mesh wire, with two-ring attachment for suspending from wall. Each 15c., per doz. \$1.50.

### EARTHEN PIGEON NESTS

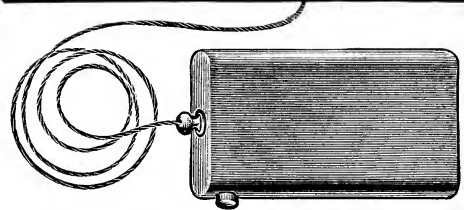
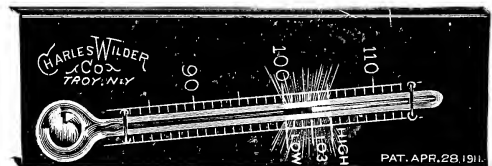
Made of clay. Very heavy, cannot be easily overturned. Easily cleaned. Each 10c., doz. \$1.00.

### HALLOCK'S FOOD AND WATER PANS



These pans may be used for food or water. They are easily cleaned. Pressing down the spring on top forces the wire holders from the pan, allowing a thorough cleaning of the pan. Small size 75c., medium \$1.00, large \$1.25.

### WILDER ELECTRIC LIGHTED INCUBATOR THERMOMETER



This article will fill a long felt want for those operating an incubator. Heretofore it has been a hardship to read the thermometer in an incubator with any degree of certainty. With a Wilder you may do away with all this annoyance. By simply pressing the button, the glass tube is illuminated from behind, and the mercury column shows distinctly at its exact position on the scale. The battery and lamp are standard size and can be replaced at any electrical supply house. Complete (see cut) for one incubator, \$2.50.

### INCUBATOR THERMOMETERS

The pattern we sell is an approved type and will fit any make of incubator. Suspended by wire. Complete, each 70c., or 80c. postpaid.

### BROODER THERMOMETERS

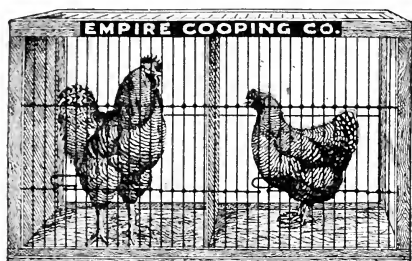
Can be used for brooders or portable hovers. 50c., or 60c. postpaid.

### X-RAY EGG TESTER

A very handy article for testing eggs before and during the hatch. Made of tin. Each 25c.

POULTRY SUPPLIES AND REQUISITES—Continued

## Empire Exhibition Coops



### SINGLE COMPARTMENT COOP

Length, 2 ft., width 2 ft., height 27 in. Wire top, front and back. Solid veneered ends. Each \$3.00.

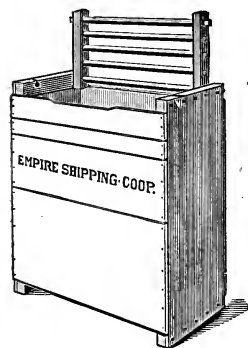
### TWO-COMPARTMENT COOP

Length of section, 4 ft., size of compartments, 22x24x26 in. Wire top, front and back. Solid veneered ends and partition. Each \$4.60.

### THREE-COMPARTMENT COOP

Length of section 5 ft. 6 in., size of compartments 22x24x26 in. Wire top, front and back. Solid veneered ends and partitions. Each, \$5.50.

### EMPIRE SHIPPING COOP



One of the best shipping coops on the market. Top ventilation spaced so the birds cannot get their heads through. An important feature of this coop is the top lid or cover, which does not require hammer, saw or nails to coop or uncoop your birds. Single coop, size, 12x22x25 in., each, 70c., knocked down; trio size, 18x22x25 in., each, 80c., knocked down; pen size, 22x22x25 in., each, 90c., knocked down.

### COLLAPSIBLE SHIPPING CRATE

This is one of the latest devices added to the poultry supply list of necessities and is bound to become a staple article. Can be completely knocked down, three of these crates occupying but little more room than one of the old style crates. The return charges are also less, which is an important item to poultry shippers. Thoroughly built of wood, iron and steel wire; easy to handle and affording protection to poultry. Each, \$2.50.

### "IDEAL"

### FOLDING EGG-SHIPPING BOX

Expressly designed to meet the demands of egg shippers. Simple, compact and durable, requiring no nails or hammer. It is quick to open and fold, nothing to break or become lost. In short, the best egg shipping box on the market. Each \$2.25.

## CARD-BOARD EGG BOXES OR CARRIERS

Made out of good quality card-board with a filler for every box. These boxes are one dozen capacity and are strong and durable. Used extensively by large egg distributors as well as small. We sell thousands of these boxes annually. Per doz. 15c., 100 75c., 1000 \$7.00.

## HUDSON ELASTIC ROOFING

This roofing is made of an excellent grade of material. It will outlast tin or shingles. If painted occasionally will give good service indefinitely. Put up in rolls, 36 in. wide, containing 108 sq. ft. with complete rust-proof fixtures and directions for applying. Per square of 108 sq. ft., ½ ply, \$1.75; 1 ply, \$2.25.

## HUDSON BLACK WATERPROOF LINING PAPER

This is an excellent low cost waterproof paper for lining poultry houses, under stucco, metal, slate or tile roofing. Very tough and strong; is waterproof clear through, being both saturated and coated with a mineral compound that will not dry out. Put up in rolls, 36 in. wide, containing 500 sq. ft., \$1.50.

## BIRD SEED

All our bird seed is re-cleaned at our warehouses and customers will find them clean, sweet and up to the mark in every respect.

**CANARY.** (Pure.) Lb. 10c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$6.00.

**HEMP.** Lb. 10c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$6.00.

**MILLET.** Lb. 10c., 5 lbs. 35c., 10 lbs. 65c., 25 lbs. \$1.40, 50 lbs. \$2.75, 100 lbs. \$5.00.

**MIXED BIRD SEED.** This mixture combines only re-cleaned seeds and is put up by ourselves. Lb. 10c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$6.00.

**RAPE.** Lb. 10c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$6.00.

**SUNFLOWER.** (Large Russian.) Lb. 10c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$6.00.

**FLAX SEED.** (Whole.) Lb. 10c., 3 lbs. 25c.

**FLAX SEED.** (Ground.) Same price as whole flax.

**BIRD MANNA.** Pkg. 15c., postpaid 17c.

**CUTTLE FISH BONE.** Each 5c., postpaid.

**MAW.** Lb. 20c., or 28c. postpaid.

**SPRATT'S DOG CAKES.** Lb. 7c., 3 lbs. 20c., 100 lbs. \$6.00.

**SPRATT'S PUPPY CAKES.** Lb. 10c., 3 lbs. 25c., 100 lbs. \$6.50.

**MALTOID.** Bone-shaped dog cakes. Lb. 10c., 3 lbs. 25c., 100 lbs. \$6.25.

**MALTOID.** Bone shaped puppy cakes. Lb. 10c., 3 lbs. 25c., 100 lbs. \$6.75.



# THE BANTA INCUBATORS, ETC.

## THE BANTA INCUBATOR

RELIABLE—SAFE

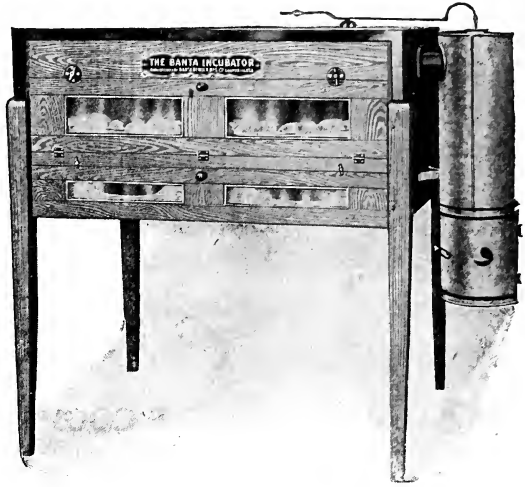
Bear Fire Insurance Underwriters' Exchange Label

**Some Facts**—The Banta has a heater that can be taken apart and cleaned. It is the best insulated and best made of any heater ever put on an incubator and is the only one that has the cleanable feature. The cloth diaphragms are all removable for cleaning and are stretched on mortised and tenoned frames. The regulator is a patented double 4-inch wafer with pull-down lever and adjusting screw, hung on one bearing only. They have a large nursery under the egg trays, with glass doors and chick drawers so that chicks can be taken from the machine without in any way interfering with other eggs that are hatching. No difference what the size, all have the same improvements and are exactly alike in every particular, excepting size. The egg trays are made with good, solid frames, the bottoms covered with wire cloth. An extra tray comes with each machine for turning the eggs.

The Banta is thoroughly insulated; the walls have five thicknesses of lumber and insulating boards with dead air space. The top has thirteen thicknesses of packings and lumber. Not the slightest amount of heat escapes through the walls or tops of the machine.

The heating system of the Banta Hot Air Machine is a combination of the two principles of heating—the radiation of warm air and the diffusion of warm air. The doors on the Banta will always shut airtight, as they are arranged so they wedge airtight against a jamb completely around the door whenever they are closed. The regulator is automatic. The ventilation is automatic and no moisture need be added, except in exceedingly dry places.

In short, Banta Incubators are simple in operation and sure in results.



## BANTA OUTDOOR BROODERS

These brooders are built on up-to-date plans. The cut of this brooder will show you how they can be opened for airing and cleaning purposes. Accessible from all points. The heater is under the floor, thereby allowing more space in the compartments, of which there are three. Heated by a perfectly safe Brooder Lamp. The roof is protected by a very good quality of tin. Galvanized iron feed trough, drinking fountain, thermometer, hover and every attachment necessary come with each brooder.

These brooders are designed for service and are as good and practical as the manufacturers know how to build them. They have been building them for 17 years. We offer them in two sizes.

No. 6. Capacity 100 chicks.....\$11.00  
No. 7. " 200 " ..... 13.00

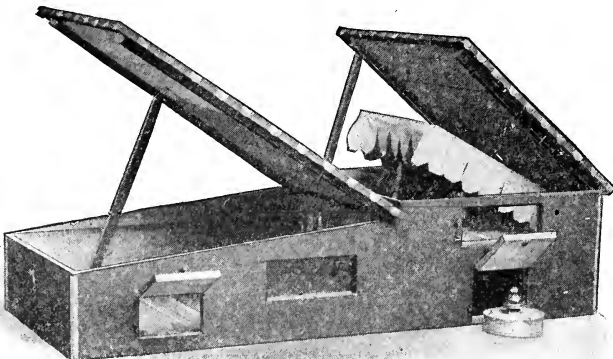
## BANTA NEW MODEL BROODER

### No. 5

This brooder while an indoor brooder can be used outdoors also, if it is placed under a shelter. It has a brooding floor, brooder chamber and hover. Has a glass in the top so the chickens can be seen from the top without opening. This brooder is well made of the best materials and will please every purchaser. Complete, ready for operating. Capacity, 200 chicks. Price \$9.00.

### Prices of Banta Hot Air Machines

No. 75.....75	Egg Capacity.....	\$12.50
No. 100....100	" "	15.50
No. 150....150	" "	21.00
No. 260....260	" "	30.00



SEE PAGES 106 TO  
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SUPPLIES.

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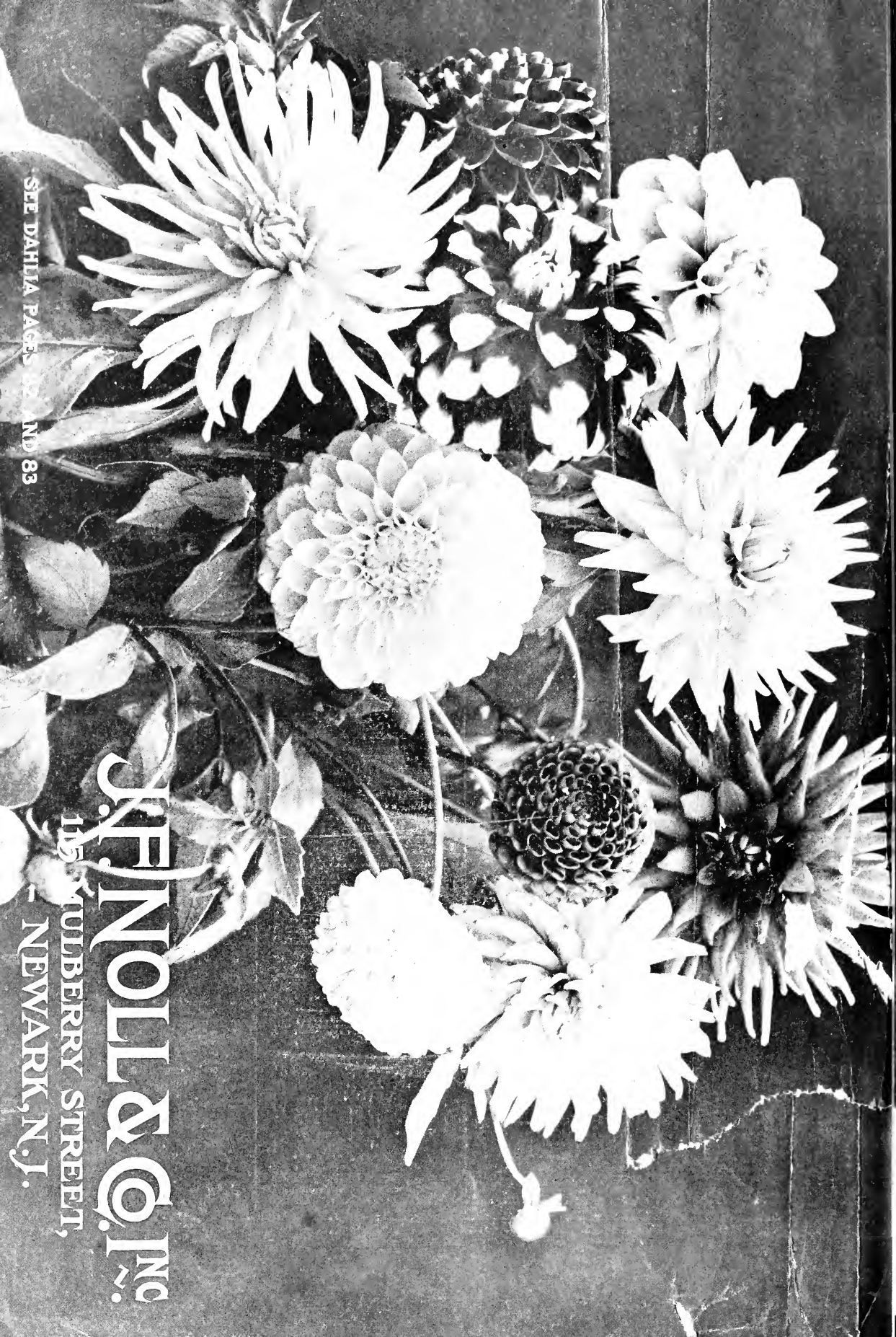
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